

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081319\
 Data File : VU033788.D
 Acq On : 13 Aug 2019 17:56
 Operator : JC/SP
 Sample : MDL07
 Misc : 5.00µ/5mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 10:44:58 AM

Quant Time: Aug 14 04:47:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 14 04:23:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	413701	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	405394	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	192778	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	177201	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.20%
7) Chloroethane-d5	1.67	69	154174	42.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.26%
11) 1,1-Dichloroethene-d2	2.26	63	233779	36.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.86%
21) 2-Butanone-d5	4.15	46	206735	94.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.58%
24) Chloroform-d	4.62	84	279406	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.06%
26) 1,2-Dichloroethane-d4	5.29	65	181682	47.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.66%
32) Benzene-d6	5.32	84	574537	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
36) 1,2-Dichloropropane-d6	6.31	67	182664	48.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.34%
41) Toluene-d8	7.55	98	510975	47.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.36%
43) trans-1,3-Dichloropropene-	7.83	79	83201	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.29	63	150825	100.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.43%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	249917	46.66	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.32%
66) 1,2-Dichlorobenzene-d4	11.84	152	197697	50.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.54%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	10219	2.478 ug/L	96
3) Chloromethane	1.32	50	11001	2.569 ug/L	94
5) Vinyl chloride	1.39	62	12707	2.741 ug/L #	69
6) Bromomethane	1.62	94	8438	2.479 ug/L	97
8) Chloroethane	1.69	64	7669	2.314 ug/L	98
9) Trichlorofluoromethane	1.87	101	15401	2.585 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	9480	3.251 ug/L	86
12) 1,1-Dichloroethene	2.27	96	9385	3.271 ug/L #	1
13) Acetone	2.31	43	8946	4.493 ug/L	99
14) Carbon disulfide	2.46	76	24491	2.697 ug/L	96
15) Methyl Acetate	2.60	43	8258	2.481 ug/L	93
16) Methylene chloride	2.68	84	9367	2.860 ug/L	94
17) trans-1,2-Dichloroethene	2.96	96	7700	2.579 ug/L	96
18) Methyl tert-butyl Ether	2.98	73	21366	2.407 ug/L	96
19) 1,1-Dichloroethane	3.42	63	15193	2.648 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	8220	2.507 ug/L	93
22) 2-Butanone	4.26	43	10947m	4.526 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	4616	2.717	uq/L	86
25) Chloroform	4.65	83	17607	2.953	uq/L	99
27) 1,2-Dichloroethane	5.39	62	13099	2.828	uq/L	98
29) Cyclohexane	4.97	56	10787	2.421	uq/L	99
30) 1,1,1-Trichloroethane	4.89	97	12969	2.608	uq/L	95
31) Carbon tetrachloride	5.11	117	11197	2.535	uq/L #	56
33) Benzene	5.37	78	32020	2.582	uq/L	100
34) Trichloroethene	6.17	95	8711	2.651	uq/L	88
35) Methylcyclohexane	6.40	83	12520	2.614	uq/L	92
37) 1,2-Dichloropropane	6.41	63	9022	2.670	uq/L	99
38) Bromodichloromethane	6.74	83	10901	2.500	uq/L	96
39) cis-1,3-Dichloropropene	7.25	75	11205	2.246	uq/L	93
40) 4-Methyl-2-pentanone	7.45	43	19207	4.568	uq/L	98
42) Toluene	7.62	91	33368	2.547	uq/L	95
44) trans-1,3-Dichloropropene	7.86	75	10892	2.397	uq/L	97
45) 1,1,2-Trichloroethane	8.05	97	7779	2.439	uq/L	98
46) Tetrachloroethene	8.21	164	6803	2.640	uq/L	96
48) 2-Hexanone	8.35	43	21211	6.590	uq/L	98
49) Dibromochloromethane	8.46	129	9003	2.528	uq/L	96
50) 1,2-Dibromoethane	8.57	107	8921	2.666	uq/L #	91
51) Chlorobenzene	9.10	112	21965	2.577	uq/L	96
52) Ethylbenzene	9.23	91	32763	2.377	uq/L	99
53) m,p-Xylene	9.36	106	11578	2.247	uq/L	94
54) o-xylene	9.76	106	10944	2.159	uq/L	93
55) Styrene	9.78	104	18296	2.126	uq/L	97
57) 1,1,2,2-Tetrachloroethane	10.44	83	14373	2.694	uq/L #	90
59) Bromoform	9.94	173	6249	2.537	uq/L #	95
60) 1,2,3-Trichloropropane	10.48	75	10645	2.744	uq/L	99
61) Isopropylbenzene	10.15	105	27888	2.337	uq/L	98
62) 1,3,5-Trimethylbenzene	10.76	105	20394	2.117	uq/L	96
63) 1,2,4-Trimethylbenzene	11.13	105	19787	2.070	uq/L	97
64) 1,3-Dichlorobenzene	11.40	146	16350	2.731	uq/L	98
65) 1,4-Dichlorobenzene	11.49	146	17566	2.863	uq/L	96
67) 1,2-Dichlorobenzene	11.86	146	17293	2.842	uq/L	95
68) 1,2-Dibromo-3-chloropropan	12.64	75	2739	2.532	uq/L	92
69) 1,3,5-Trichlorobenzene	12.88	180	11637	2.573	uq/L	97
70) 1,2,4-trichlorobenzene	13.49	180	7975	2.126	uq/L	93
71) Naphthalene	13.74	128	17927m	1.606	uq/L	
72) 1,2,3-Trichlorobenzene	13.98	180	8890	2.261	uq/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

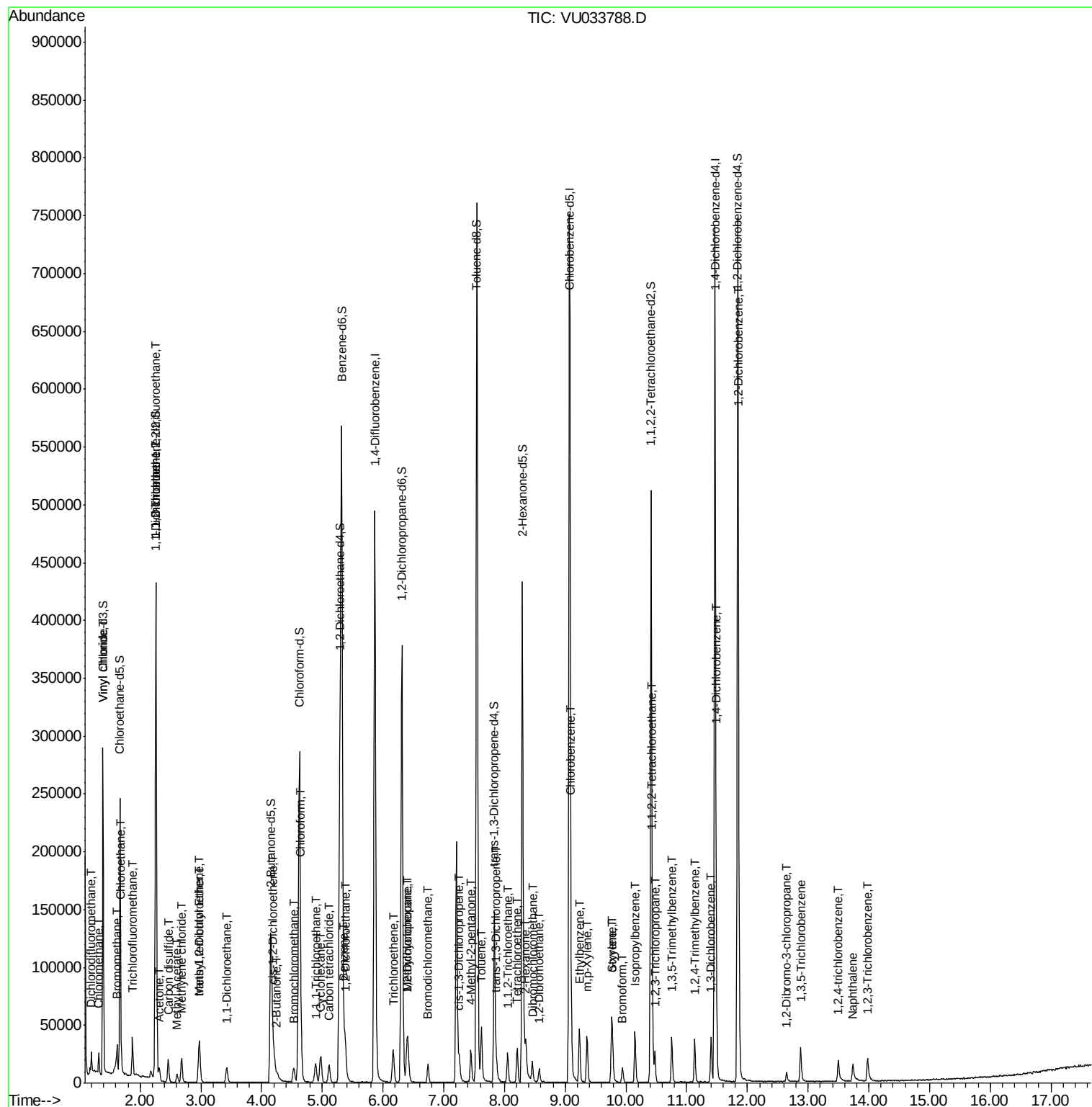
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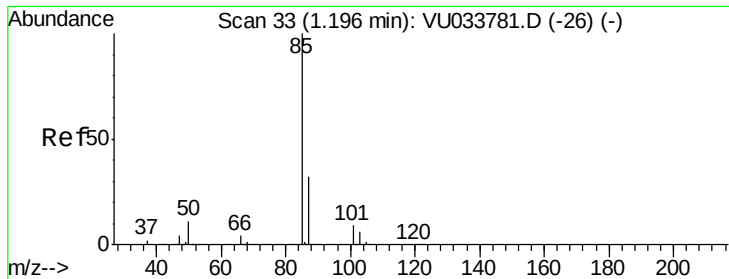
Instrument :
MSVOA_U
ClientSampleID :
MDL07

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#2

Dichlorodifluoromethane

Concen: 2.478 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 85 Resp: 10219

Ion Ratio Lower Upper

85 100

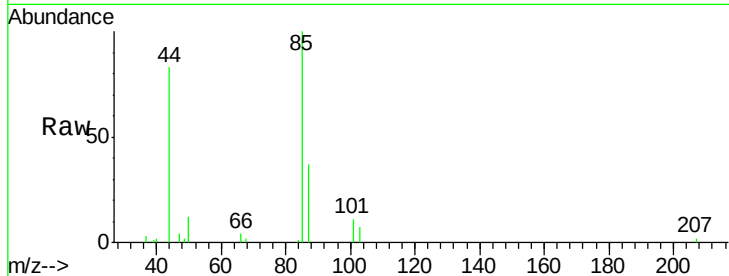
87 35.4 26.4 39.6

Manual Integrations

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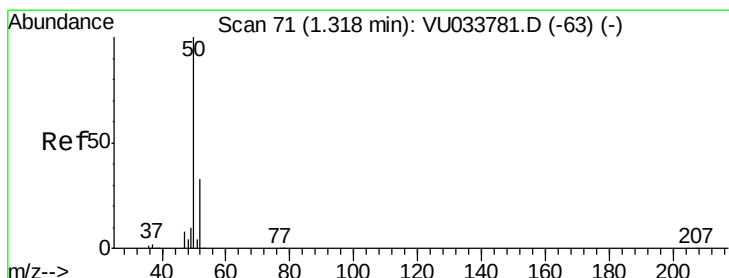
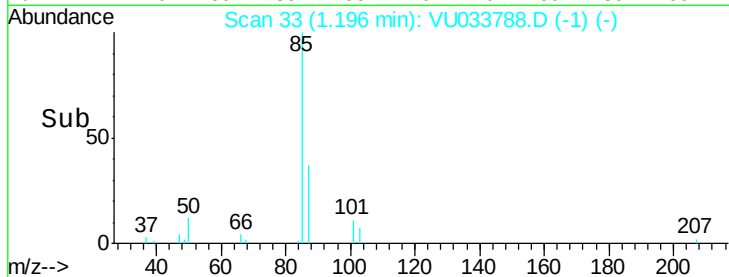
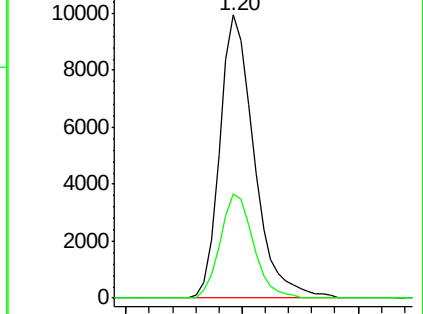
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Abundance Ion 85.00 (84.70 to 85.70): VU033788.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033788.D (-26) (-)



#3

Chloromethane

Concen: 2.569 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033788.D

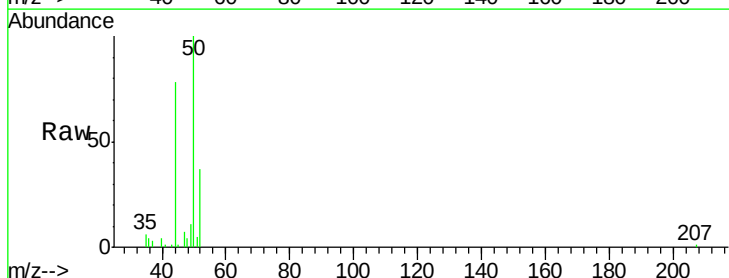
Acq: 13 Aug 2019 17:56

Tgt Ion: 50 Resp: 11001

Ion Ratio Lower Upper

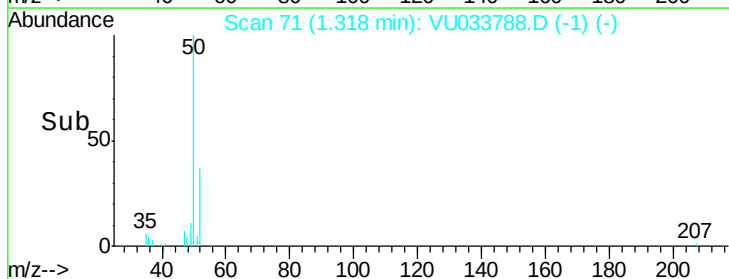
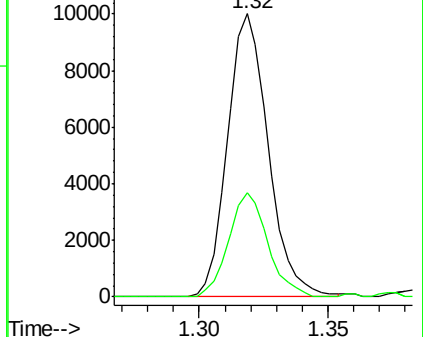
50 100

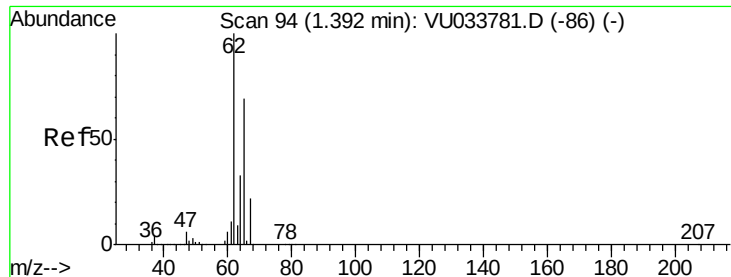
52 36.7 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VU033788.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033788.D (-1) (-)





#5

Vinyl chloride

Concen: 2.741 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion: 62 Resp: 12707

Ion Ratio Lower Upper

62 100

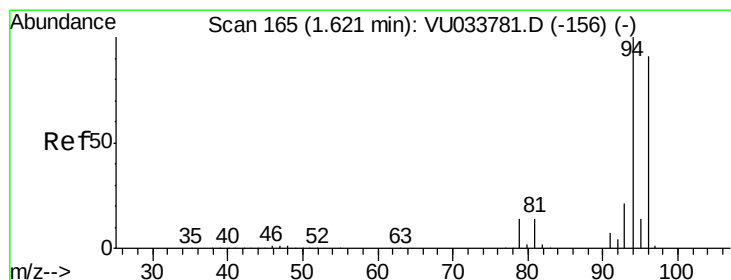
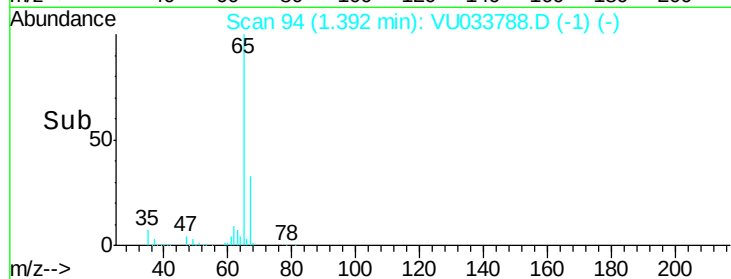
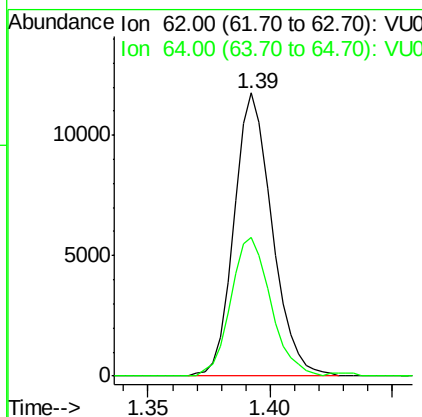
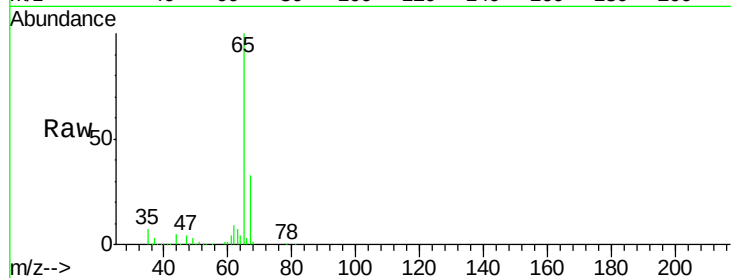
64 49.0 22.3 41.5#

Manual Integrations

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#6

Bromomethane

Concen: 2.479 ug/L

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033788.D

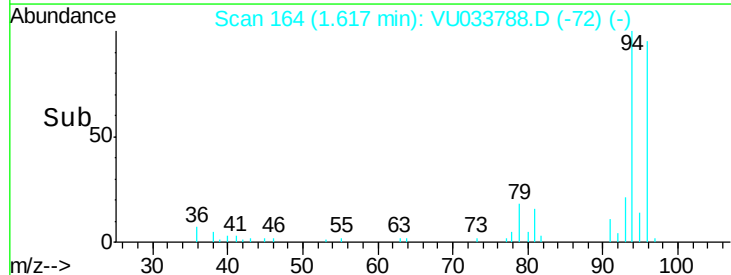
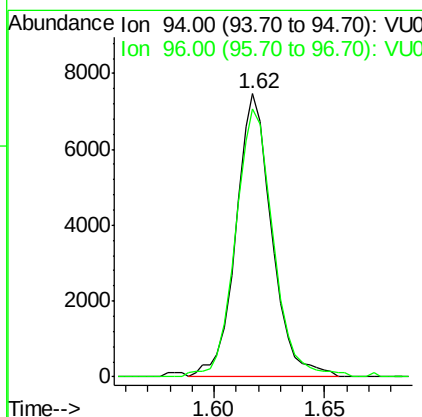
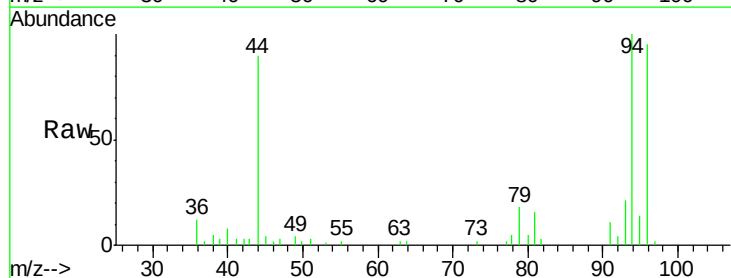
Acq: 13 Aug 2019 17:56

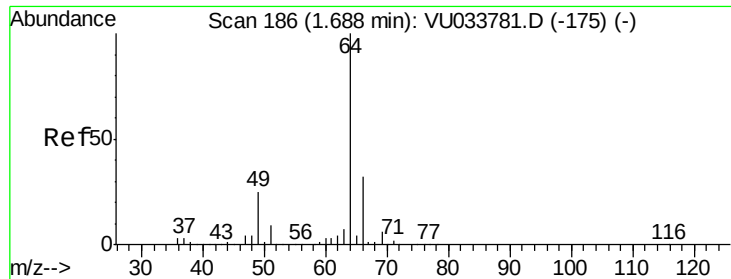
Tgt Ion: 94 Resp: 8438

Ion Ratio Lower Upper

94 100

96 94.7 64.5 119.7





#8

Chloroethane

Concen: 2.314 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 64 Resp: 7669

Ion Ratio Lower Upper

64 100

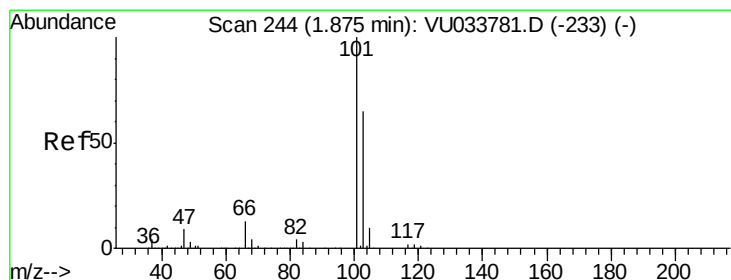
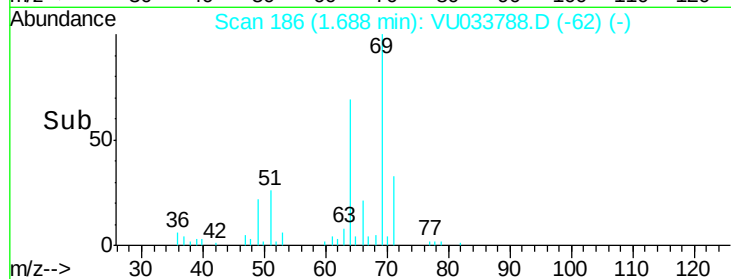
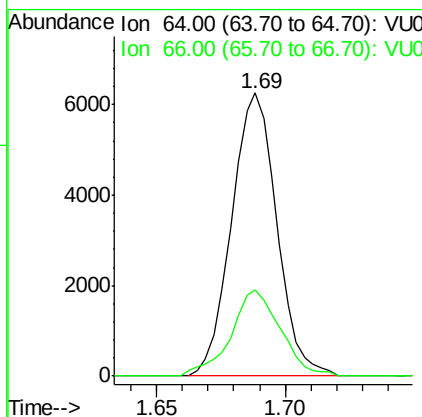
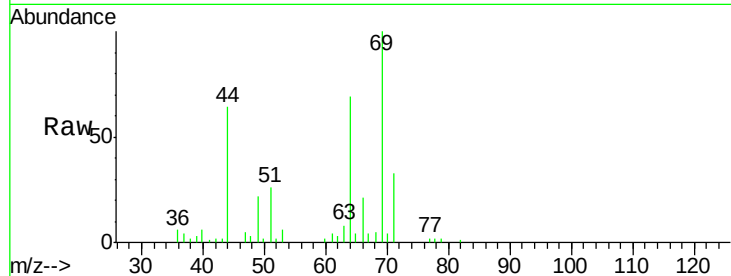
66 30.5 21.9 40.7

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.585 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033788.D

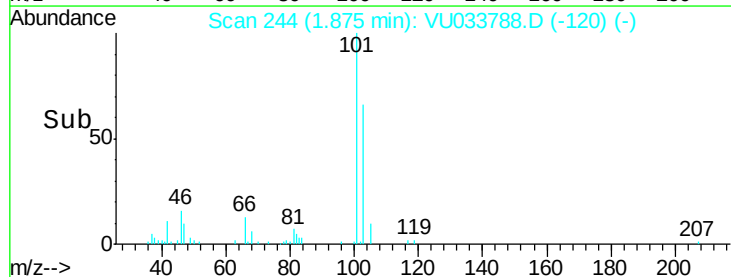
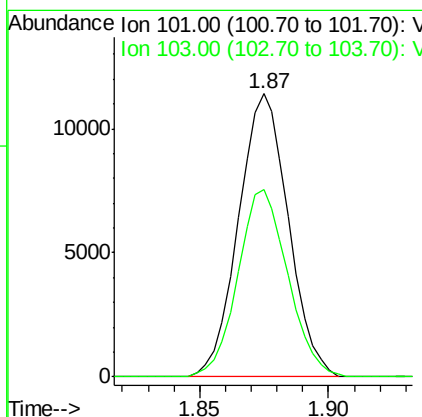
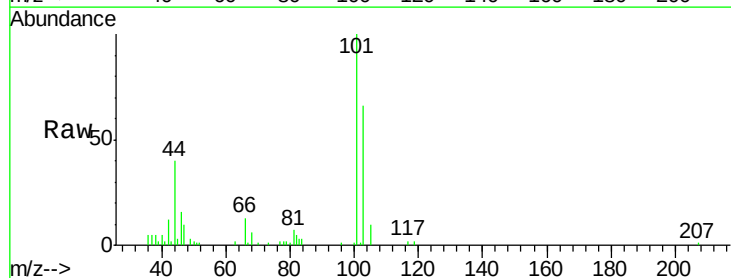
Acq: 13 Aug 2019 17:56

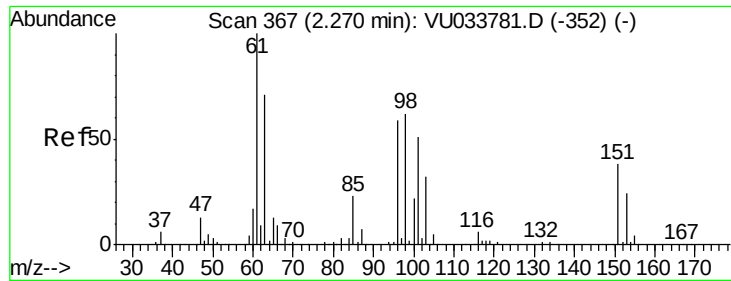
Tgt Ion: 101 Resp: 15401

Ion Ratio Lower Upper

101 100

103 66.3 52.2 78.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 3.251 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

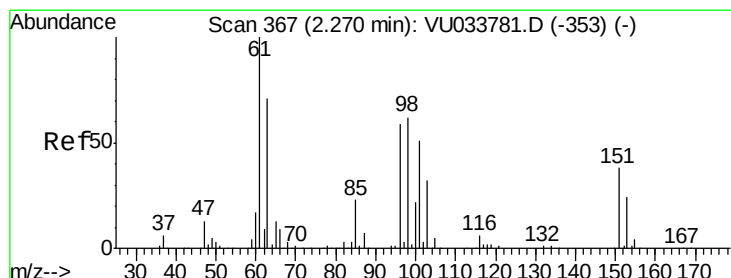
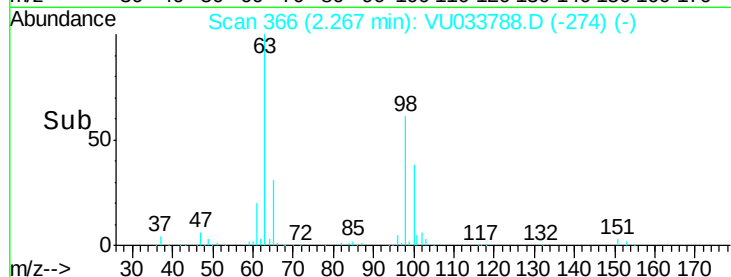
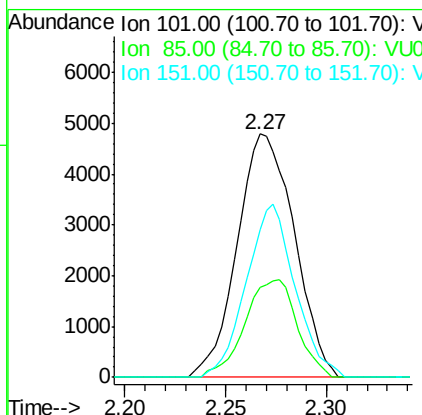
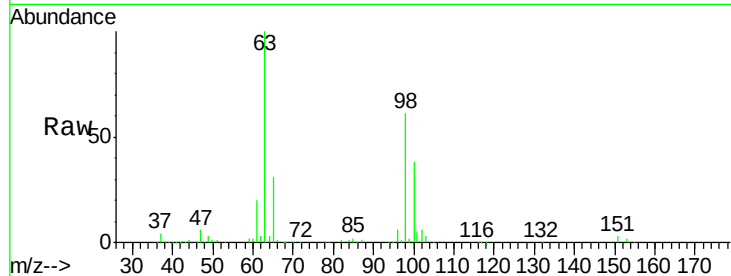
ClientSampleId :

MDL07

Tot Ion:	101	Resp:	9480
Ion Ratio	Lower	Upper	
101	100		
85	36.6	35.2	52.8
151	60.7	58.5	87.7

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#12

1,1-Dichloroethene

Concen: 3.271 ug/L

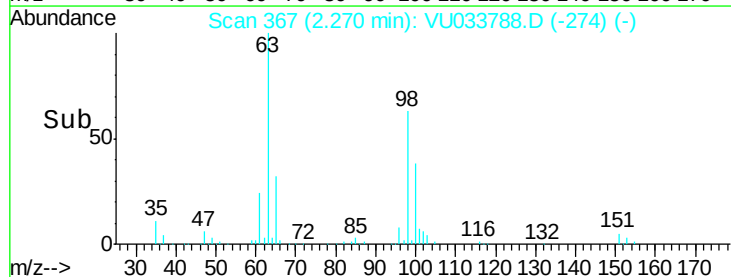
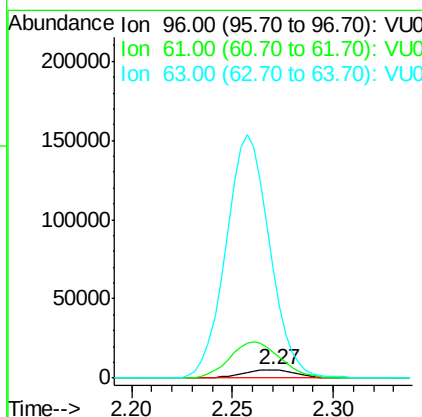
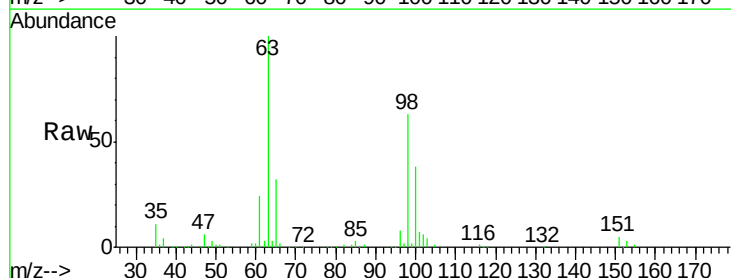
RT: 2.27 min Scan# 367

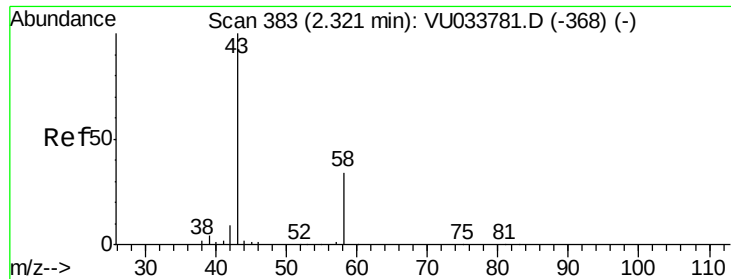
Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Tgt Ion:	96	Resp:	9385
Ion Ratio	Lower	Upper	
96	100		
61	303.6	121.5	225.7#
63	1283.2	92.9	172.5#





#13

Acetone

Concen: 4.493 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion: 43 Resp: 8946

Ion Ratio Lower Upper

43 100

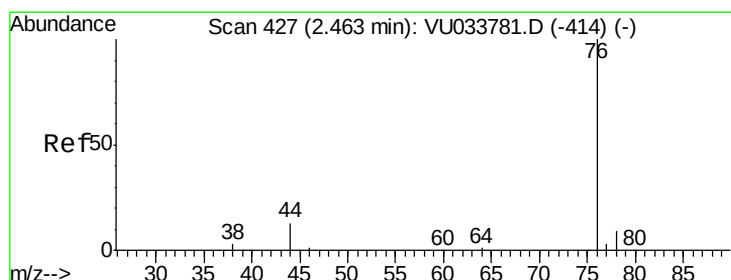
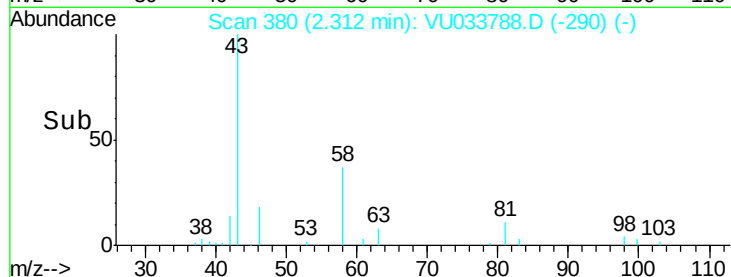
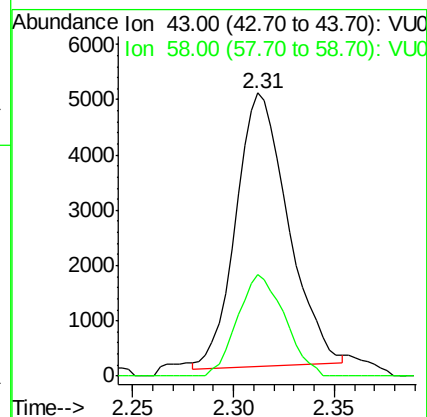
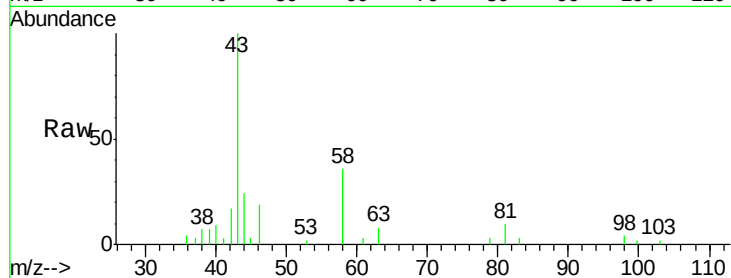
58 33.7 0.0 65.8

Manual Integrations

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#14

Carbon disulfide

Concen: 2.697 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033788.D

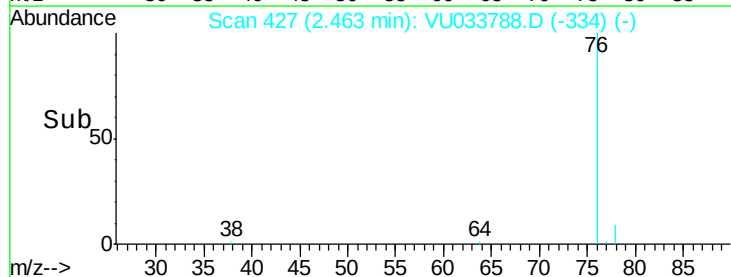
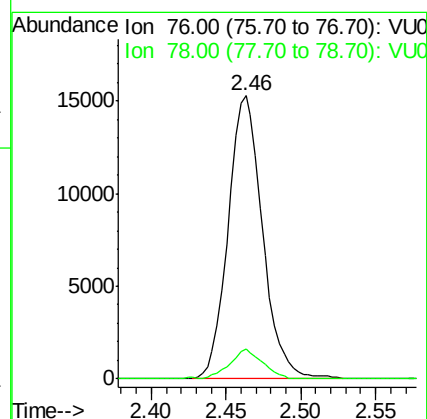
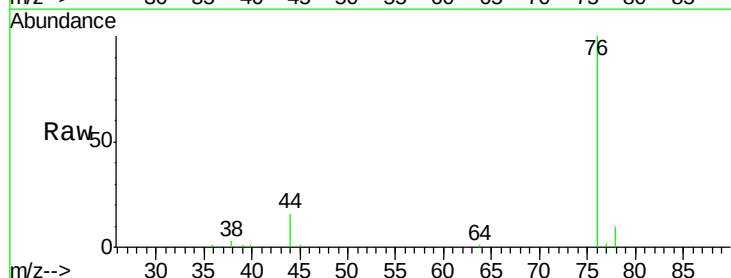
Acq: 13 Aug 2019 17:56

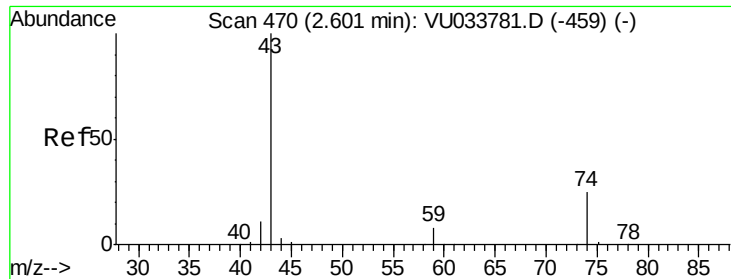
Tgt Ion: 76 Resp: 24491

Ion Ratio Lower Upper

76 100

78 10.4 7.3 10.9





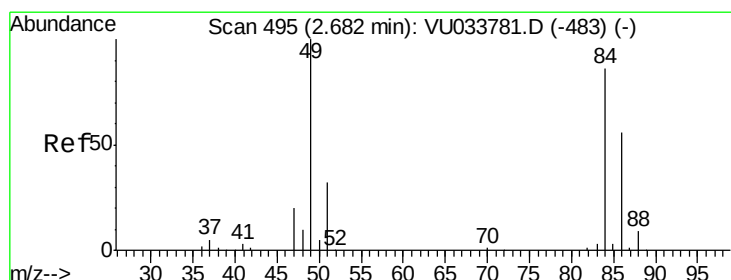
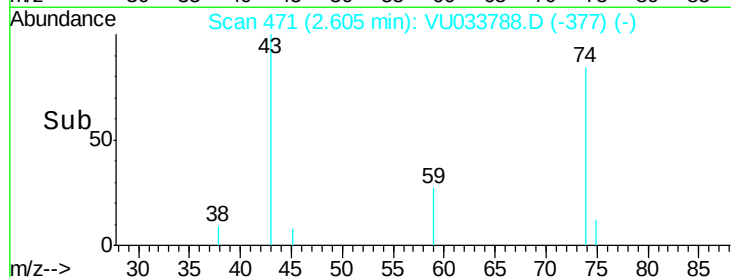
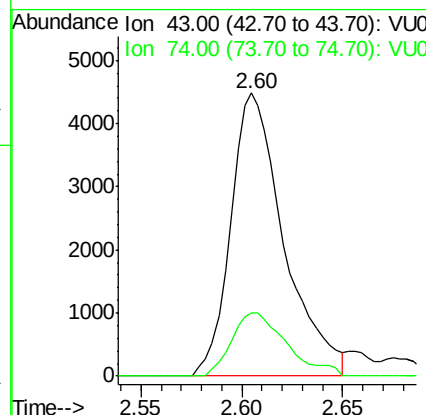
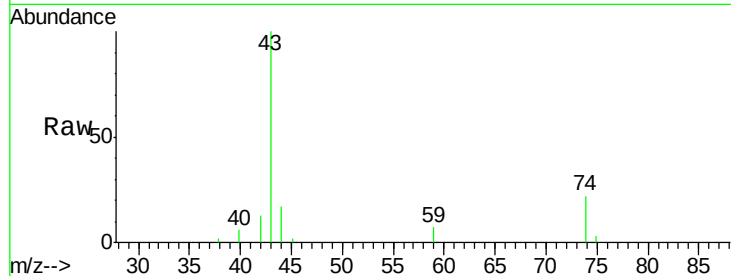
#15
Methyl Acetate
Concen: 2.481 ug/L
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion	43	Resp	8258
Ion Ratio	100	Lower	Upper
74	22.0	20.3	30.5

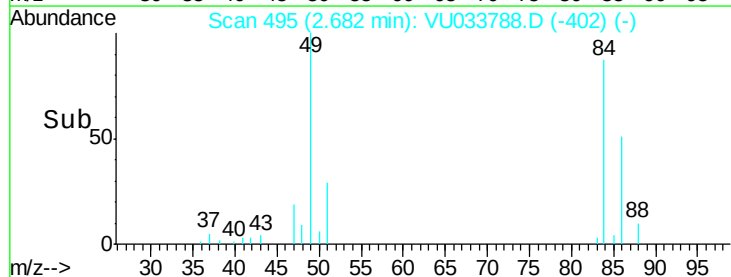
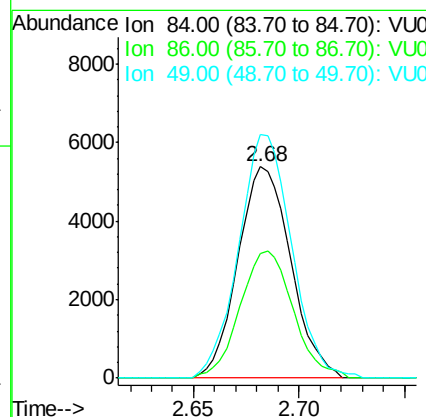
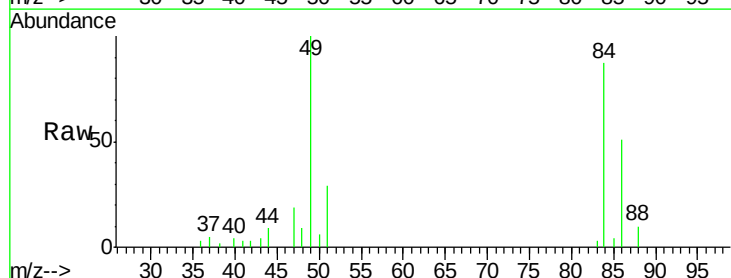
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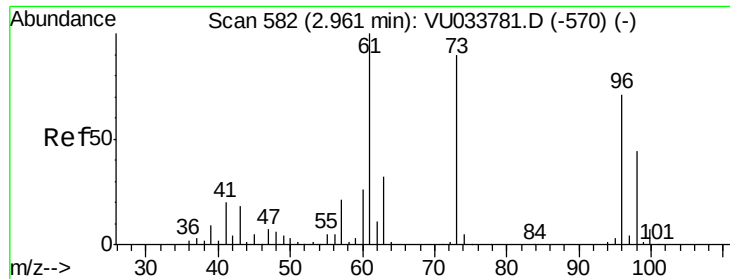
MMDadoda
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#16
Methylene chloride
Concen: 2.860 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Tgt Ion	84	Resp	9367
Ion Ratio	100	Lower	Upper
86	58.7	45.4	84.4
49	115.2	84.9	157.7





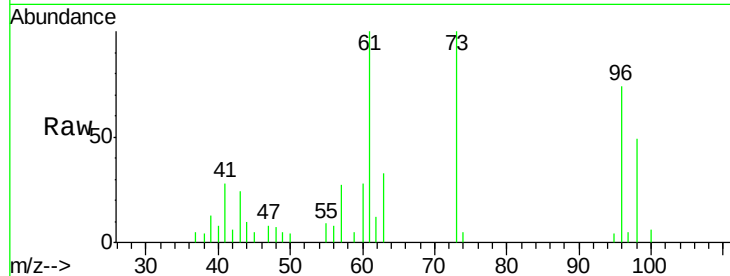
#17
trans-1,2-Dichloroethene
Concen: 2.579 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Instrument :
MSVOA_U
ClientSampleId :
MDL07

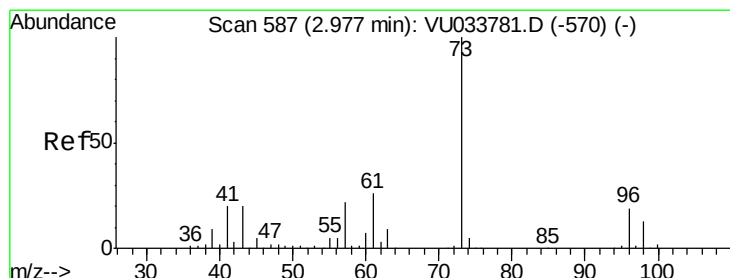
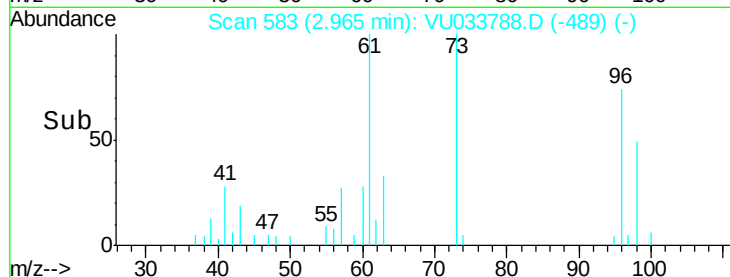
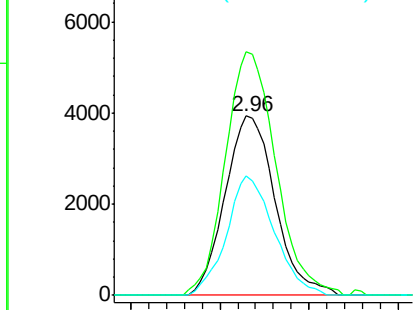
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	98.8	183.6
98	66.6	44.6	82.8

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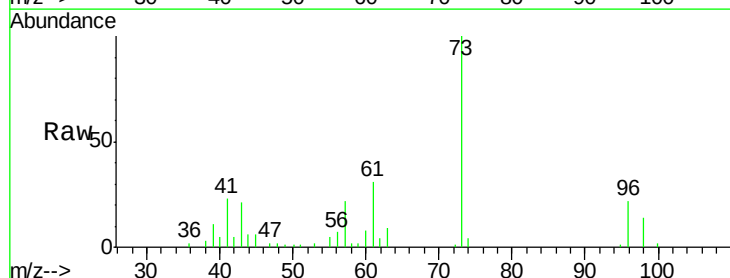


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

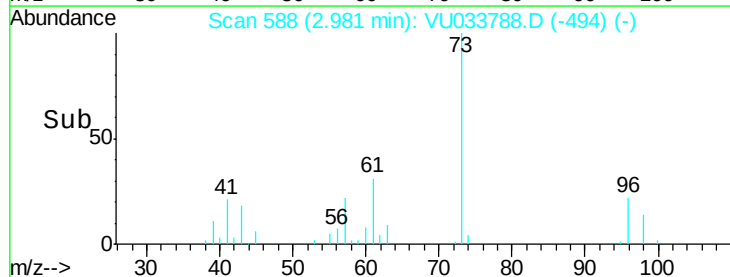
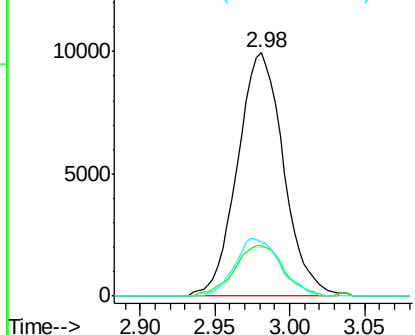


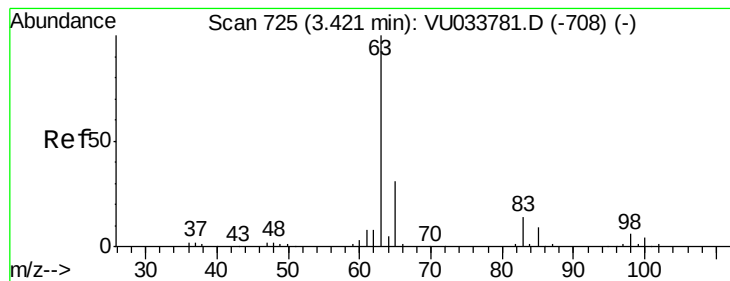
#18
Methyl tert-butyl Ether
Concen: 2.407 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.1	15.4	23.2
57	23.5	17.9	26.9



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 2.648 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

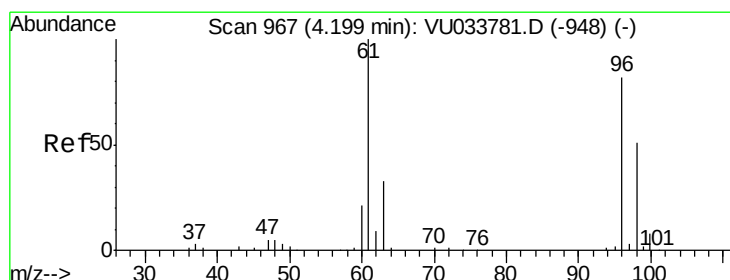
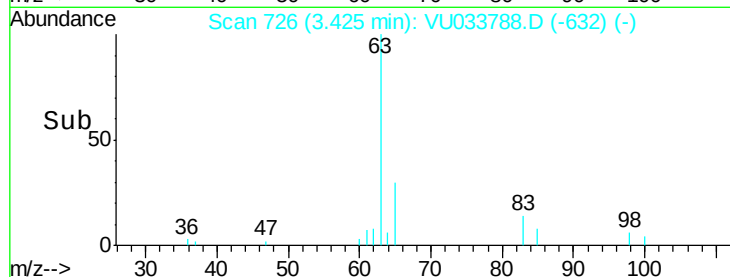
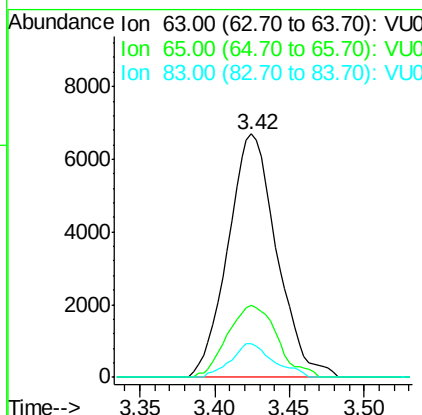
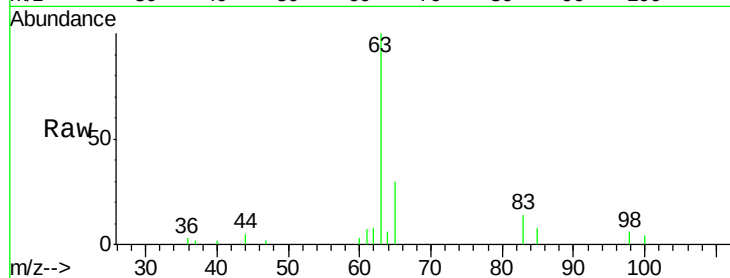
ClientSampleId :

MDL07

Tot Ion:	63	Resp:	15193
Ion	Ratio	Lower	Upper
63	100		
65	29.8	22.8	42.4
83	13.6	9.5	17.7

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#20

cis-1,2-Dichloroethene

Concen: 2.507 ug/L

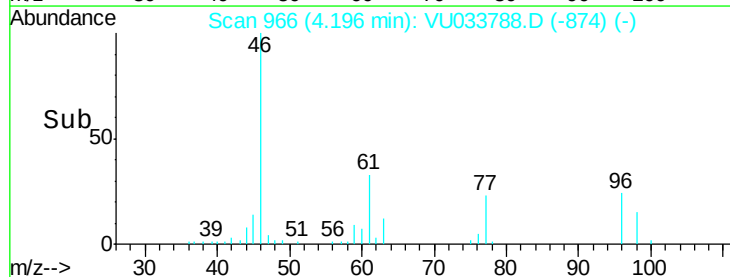
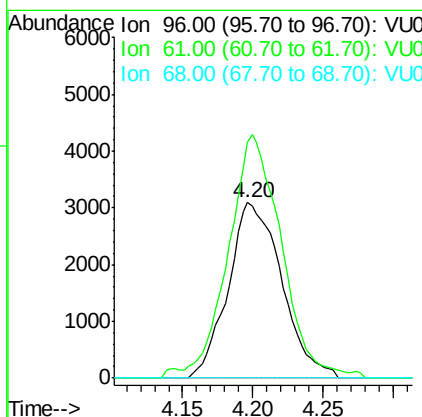
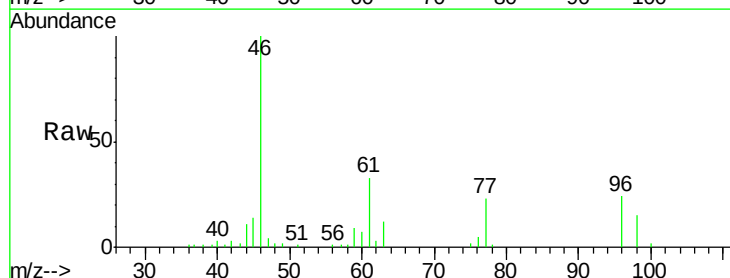
RT: 4.20 min Scan# 966

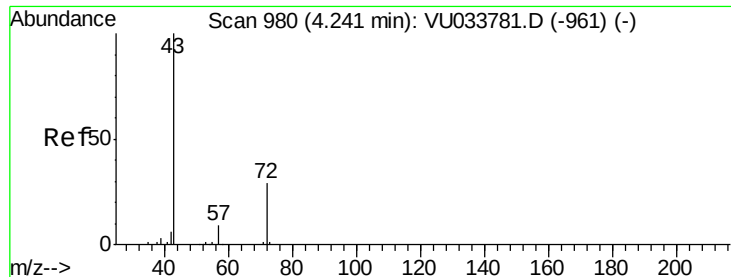
Delta R.T. -0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Tgt Ion:	96	Resp:	8220
Ion	Ratio	Lower	Upper
96	100		
61	134.0	88.3	163.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.526 ug/L m

RT: 4.26 min Scan# 986

Delta R.T. 0.02 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 43 Resp: 10947

Ion Ratio Lower Upper

43 100

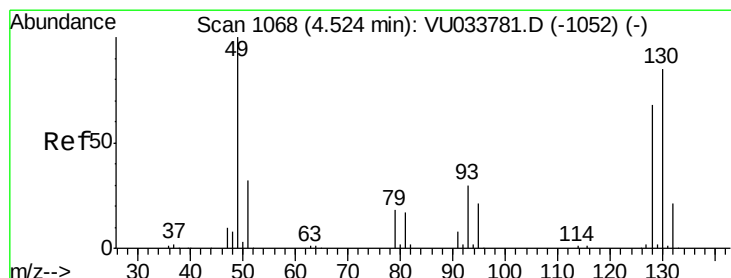
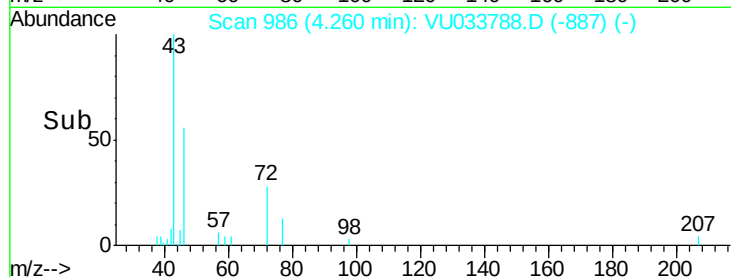
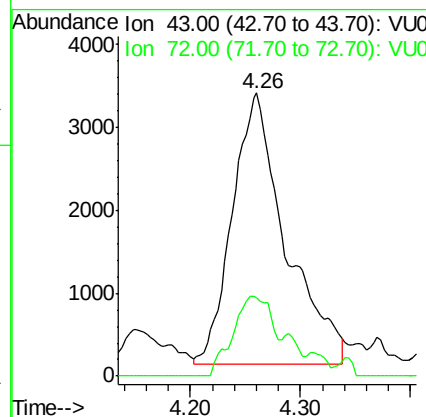
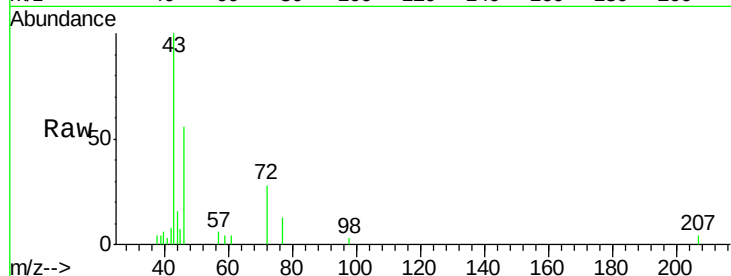
72 1.9 14.5 43.5#

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#23

Bromochloromethane

Concen: 2.717 ug/L

RT: 4.53 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Tgt Ion: 128 Resp: 4616

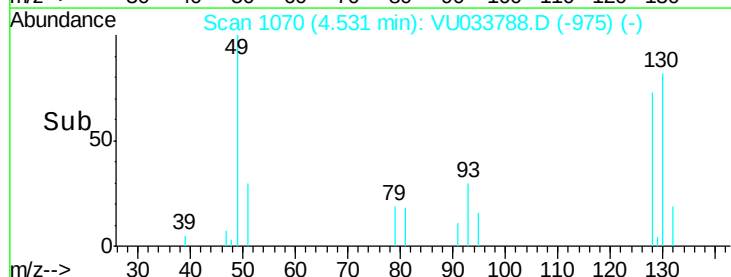
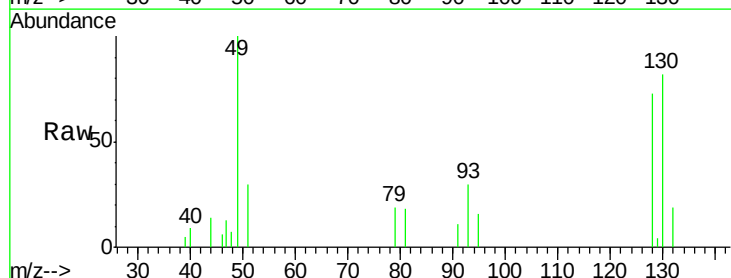
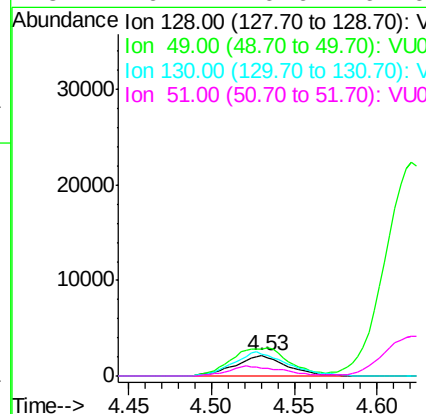
Ion Ratio Lower Upper

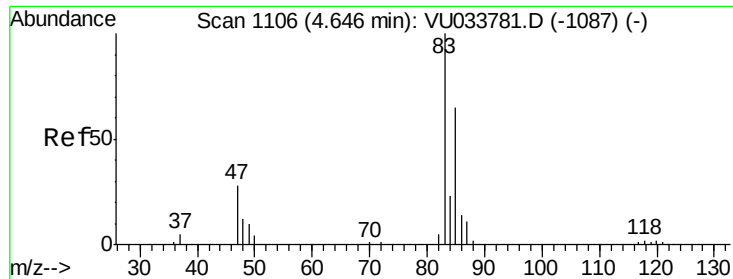
128 100

49 137.5 108.1 200.7

130 112.6 91.8 170.6

51 40.7 40.6 61.0





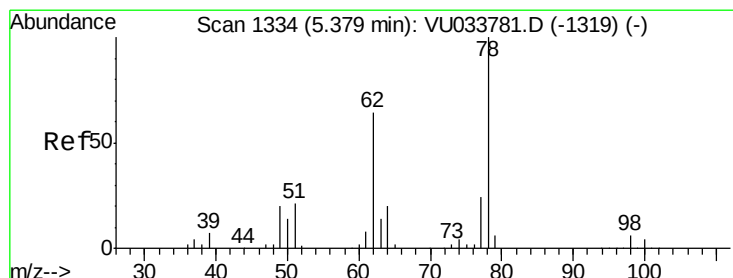
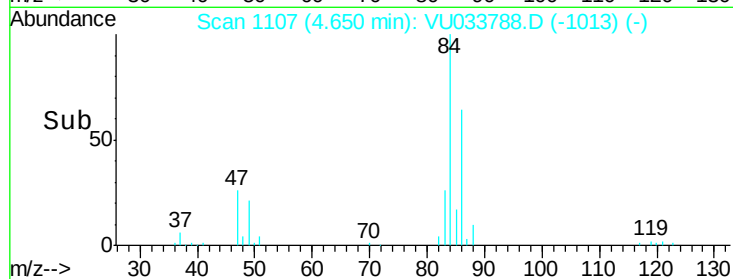
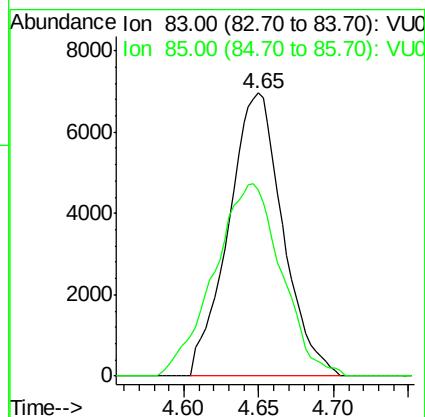
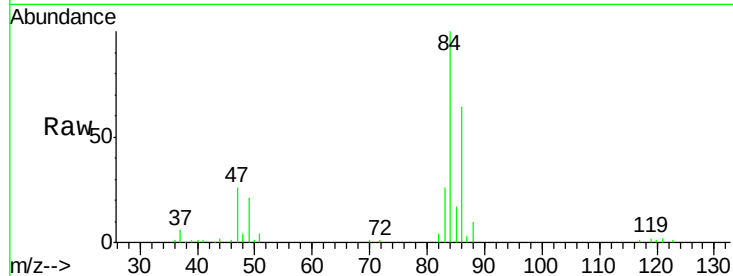
#25
Chloroform
Concen: 2.953 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	83	Resp	17607
Ion Ratio	100	Lower	Upper
85	65.6	45.6	84.6

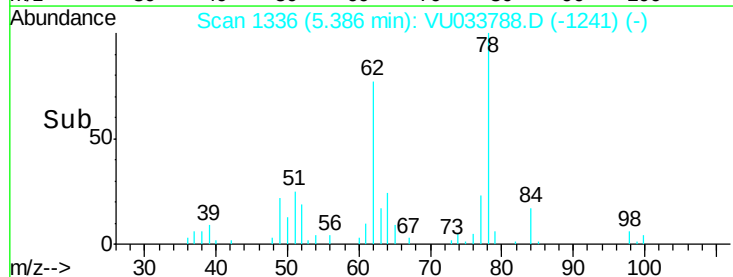
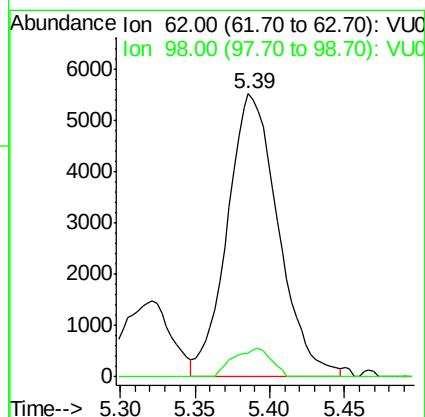
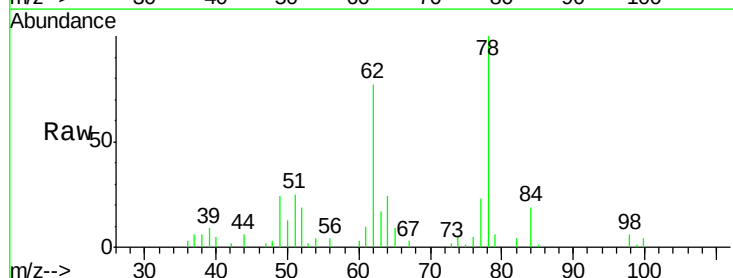
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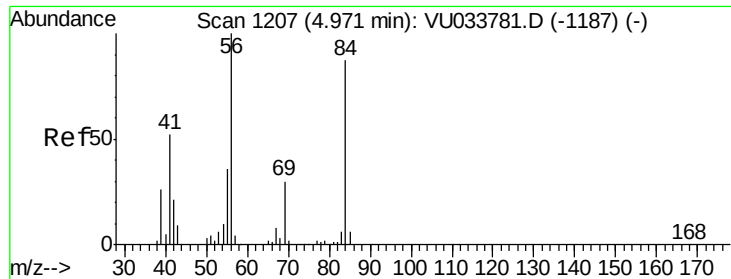
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#27
1,2-Dichloroethane
Concen: 2.828 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Tgt Ion	62	Resp	13099
Ion Ratio	100	Lower	Upper
98	8.4	7.4	11.0





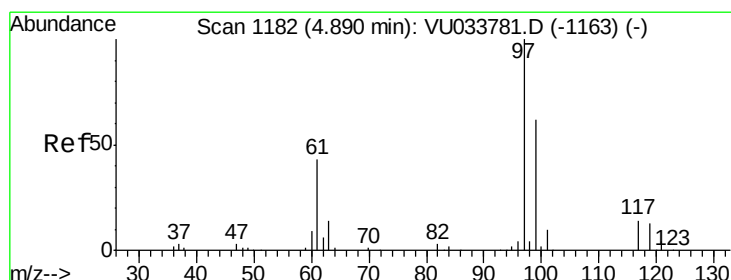
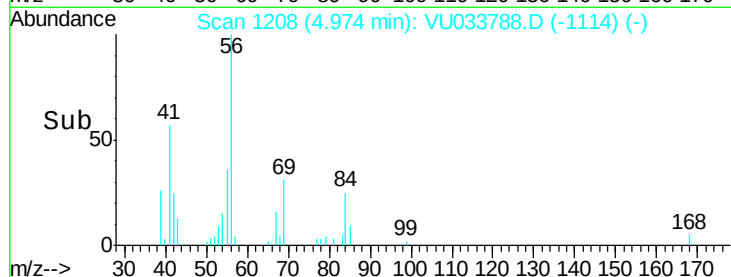
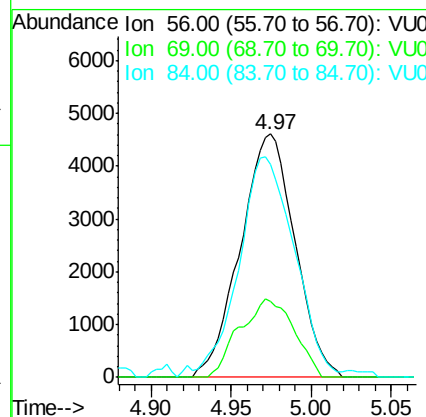
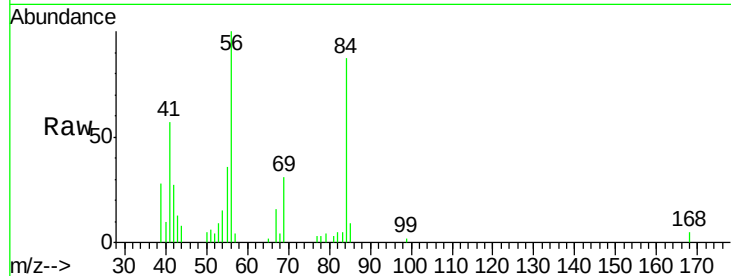
#29
Cyclohexane
Concen: 2.421 ug/L
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.0	37.4
84	88.3	70.3	105.5

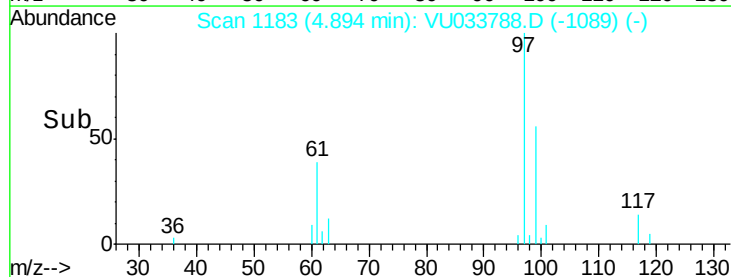
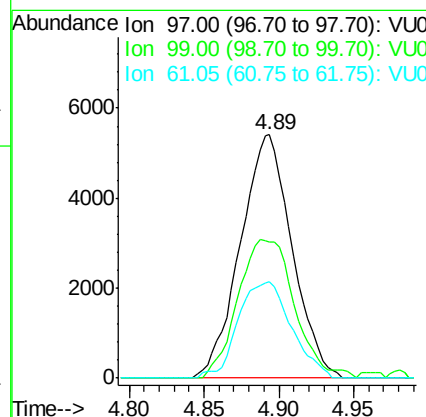
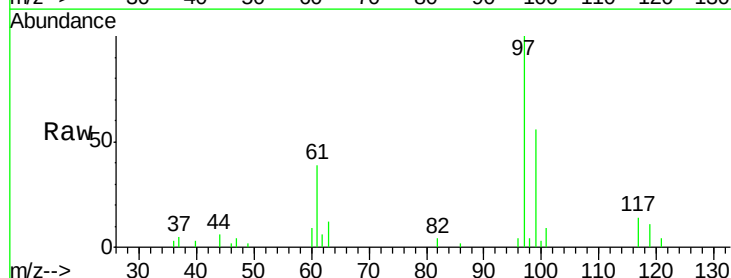
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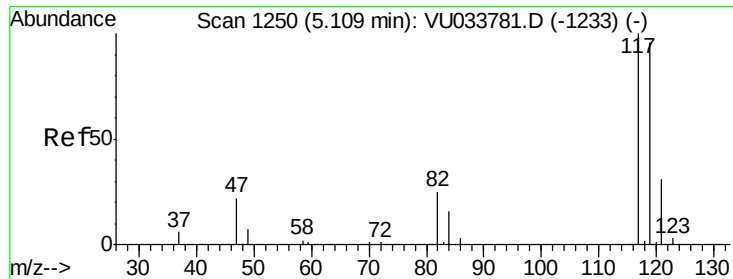
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#30
1,1,1-Trichloroethane
Concen: 2.608 ug/L
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.3	50.9	76.3
61	40.1	36.6	54.8





#31

Carbon tetrachloride

Concen: 2.535 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion:117 Resp: 11197

Ion Ratio Lower Upper

117 100

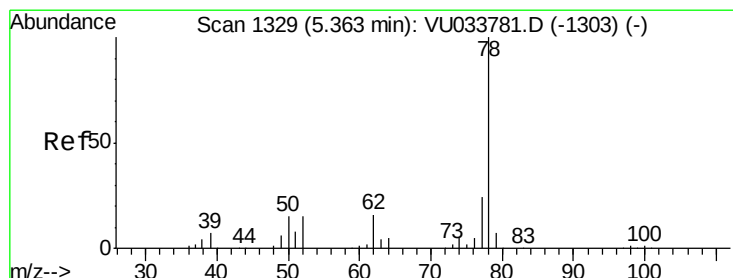
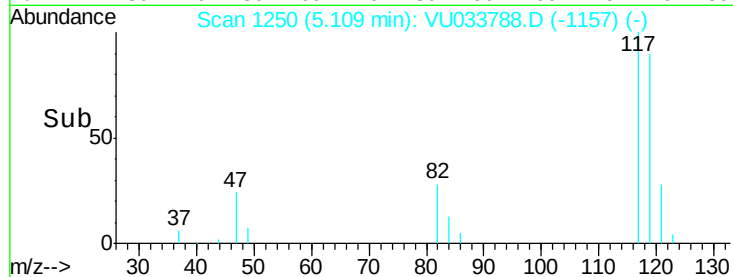
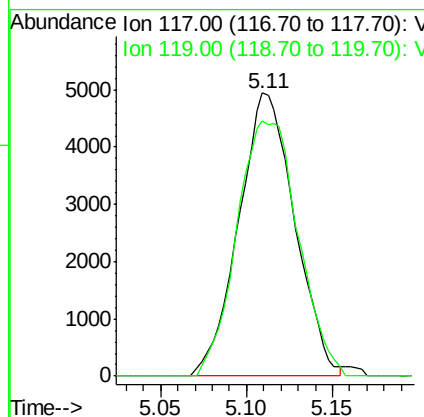
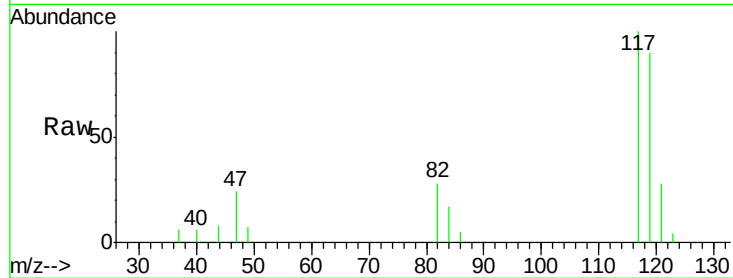
119 53.5 77.5 116.3#

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#33

Benzene

Concen: 2.582 ug/L

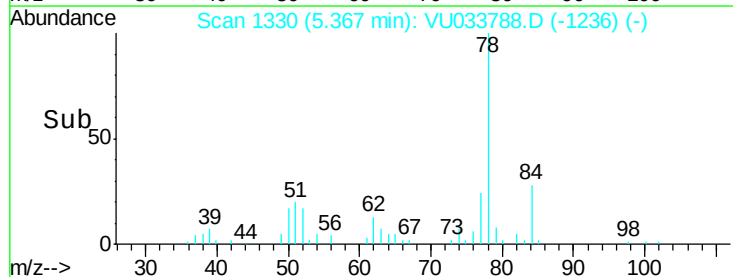
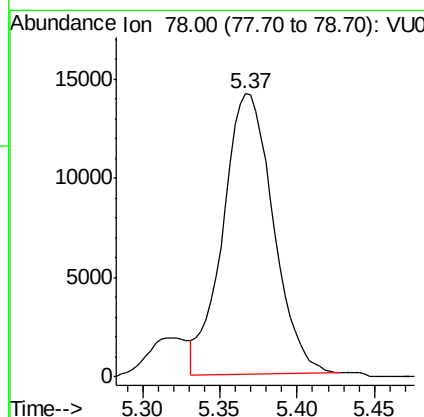
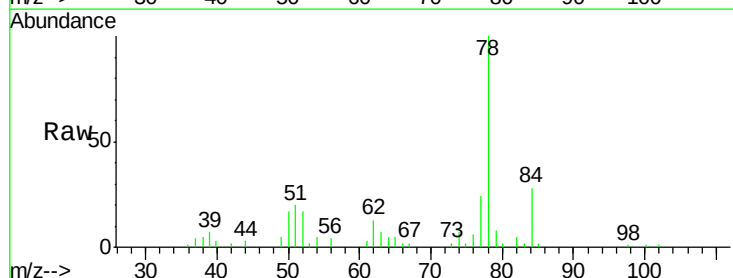
RT: 5.37 min Scan# 1330

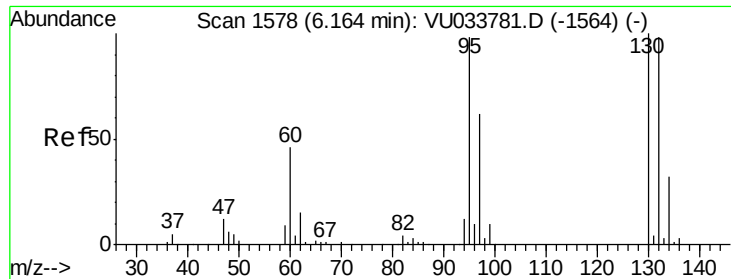
Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Tgt Ion: 78 Resp: 32020





#34

Trichloroethene

Concen: 2.651 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 95 Resp: 8711

Ion Ratio Lower Upper

95 100

97 58.2 45.1 83.7

132 83.5 67.9 126.1

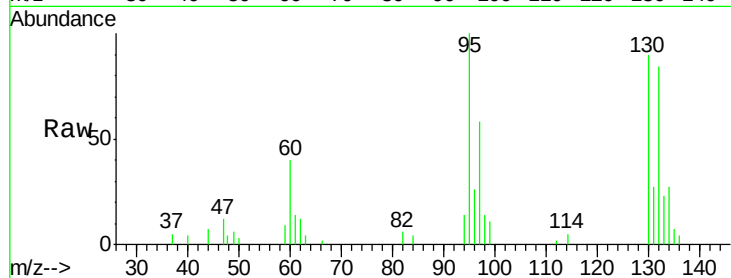
130 89.7 71.6 133.0

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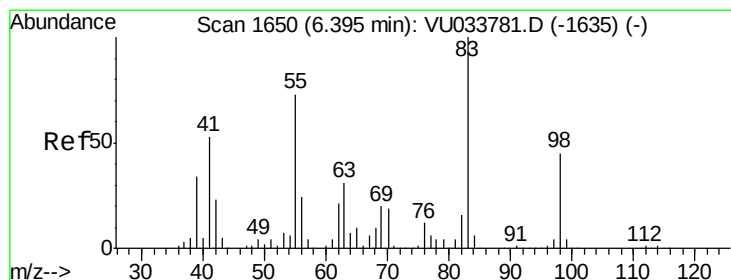
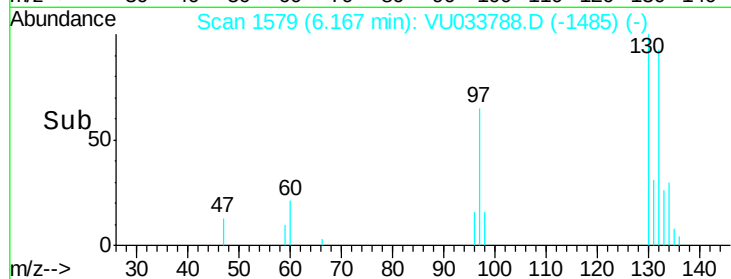
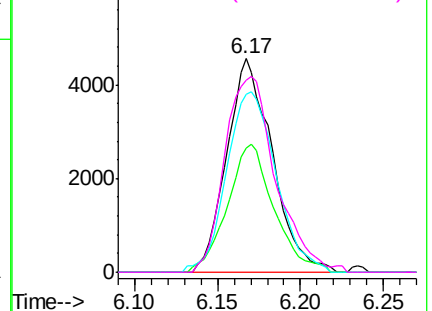


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 2.614 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

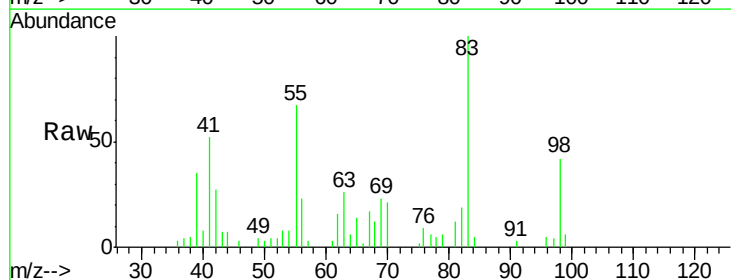
Tgt Ion: 83 Resp: 12520

Ion Ratio Lower Upper

83 100

55 67.3 62.2 93.4

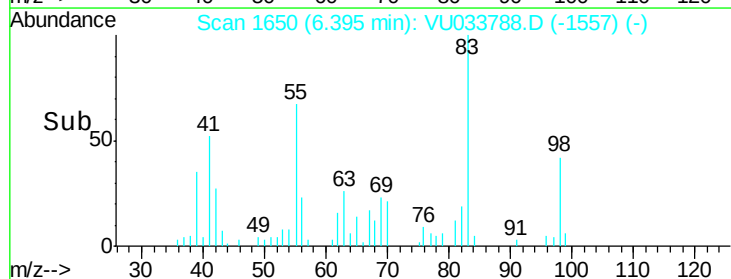
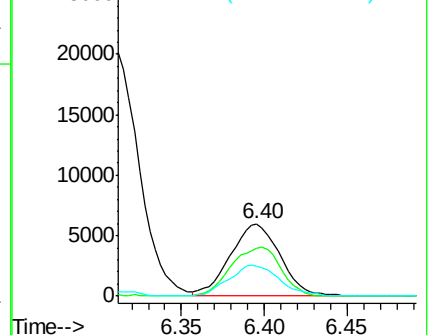
98 43.7 35.8 53.8

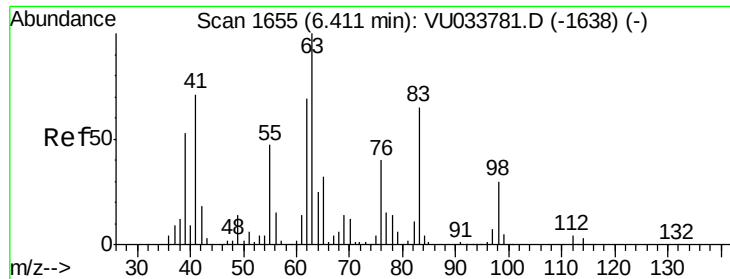


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





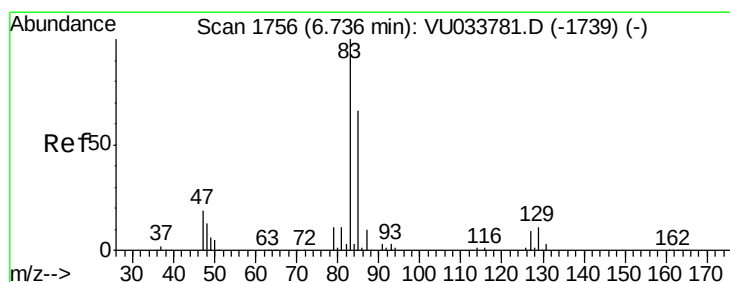
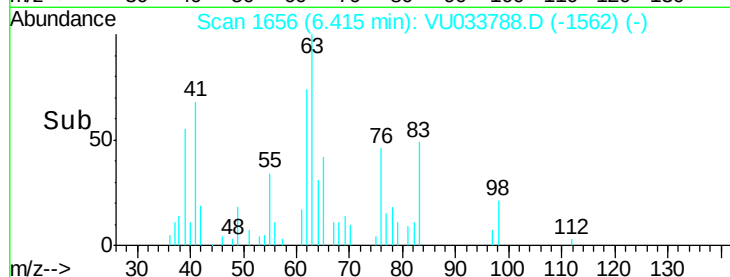
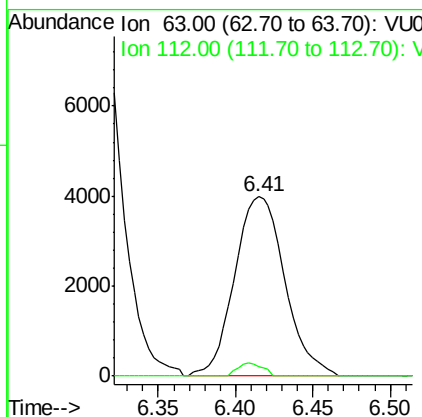
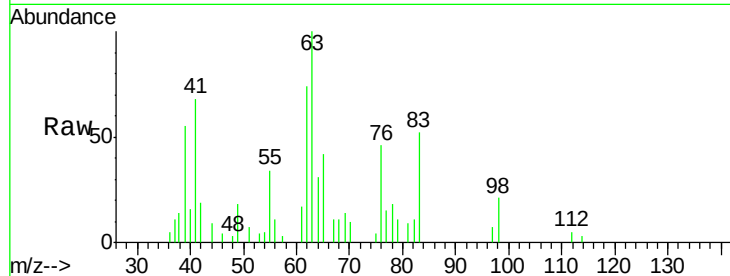
#37
 1,2-Dichloropropane
 Concen: 2.670 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tot Ion: 63 Resp: 9022
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.6

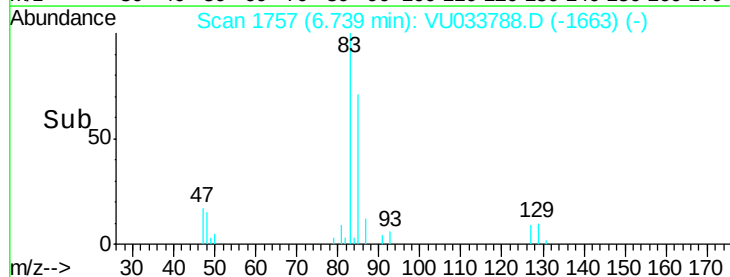
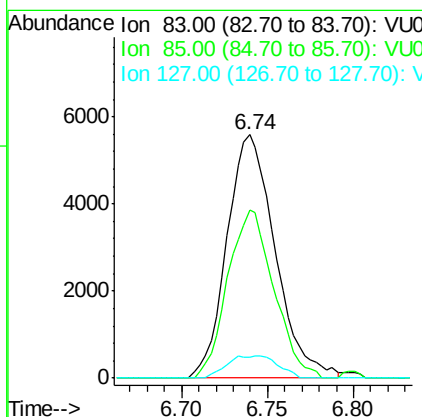
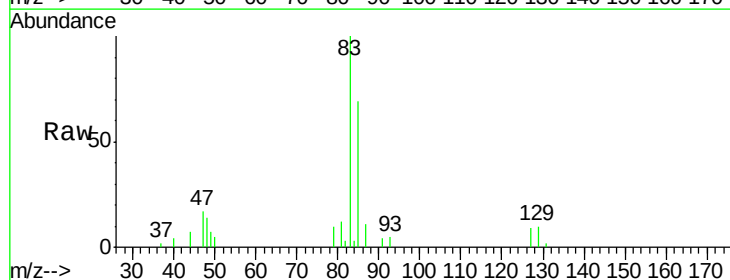
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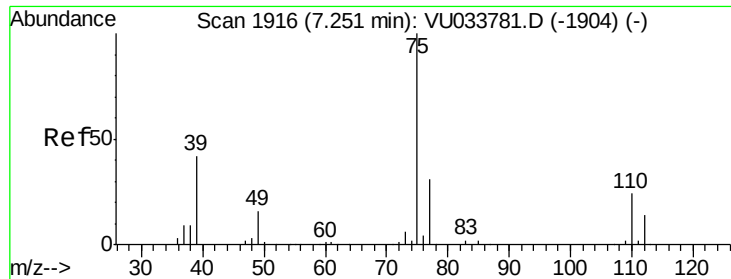
MMDadoda
 8/14/2019 10:44:58 AM



#38
 Bromodichloromethane
 Concen: 2.500 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Tgt Ion: 83 Resp: 10901
 Ion Ratio Lower Upper
 83 100
 85 68.8 45.8 85.0
 127 8.6 7.4 11.0





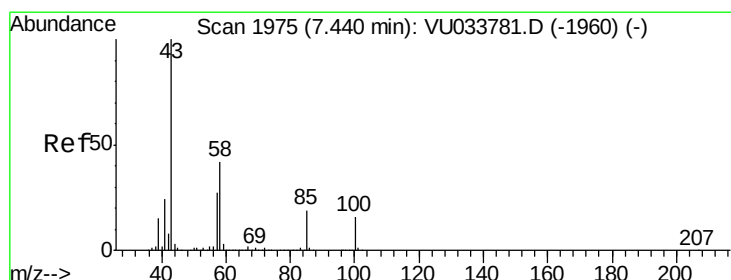
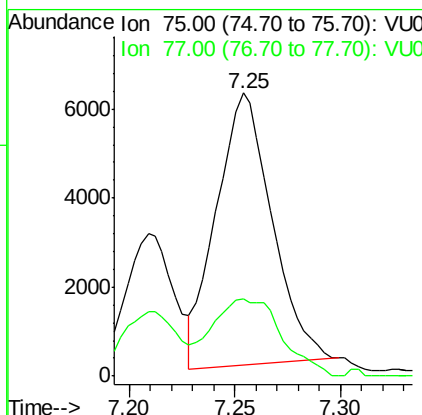
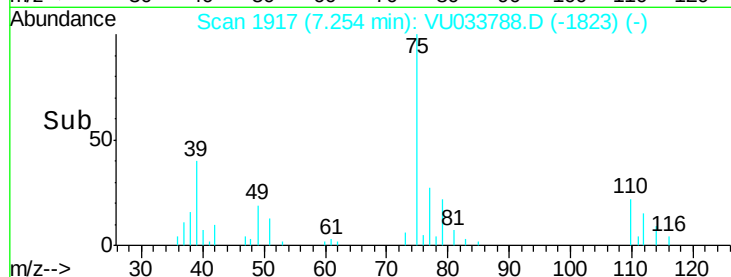
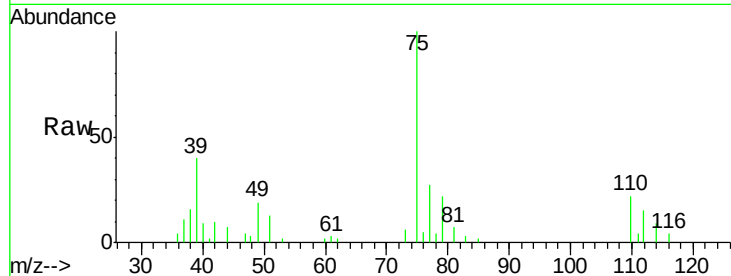
#39
 cis-1,3-Dichloropropene
 Concen: 2.246 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion: 75 Resp: 11205
 Ion Ratio Lower Upper
 75 100
 77 27.3 22.0 40.8

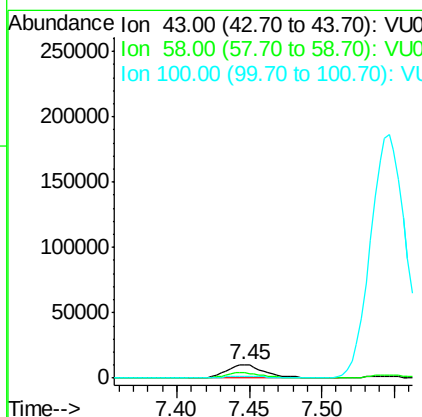
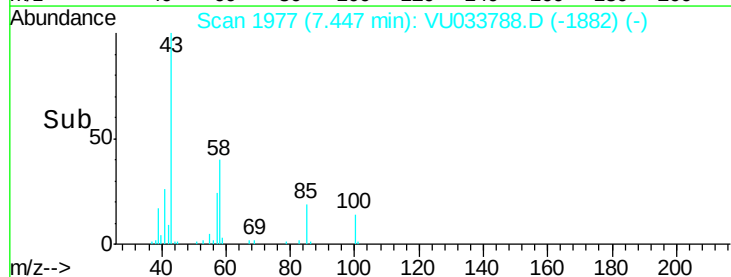
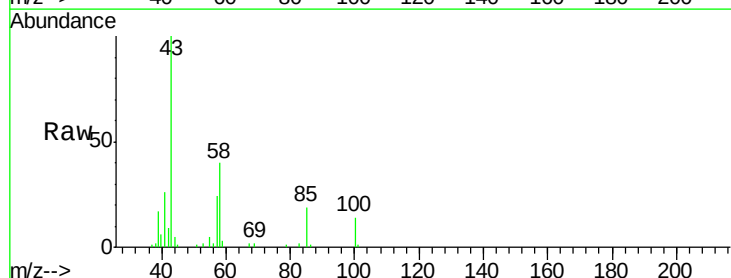
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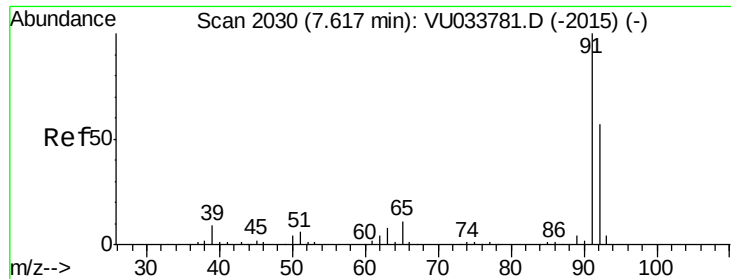
MMDadoda
 8/14/2019 10:44:58 AM



#40
 4-Methyl-2-pentanone
 Concen: 4.568 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.01 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Tgt Ion: 43 Resp: 19207
 Ion Ratio Lower Upper
 43 100
 58 39.8 32.5 48.7
 100 14.2 12.2 18.2





#42

Toluene

Concen: 2.547 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 33368

Ion Ratio Lower Upper

91 100

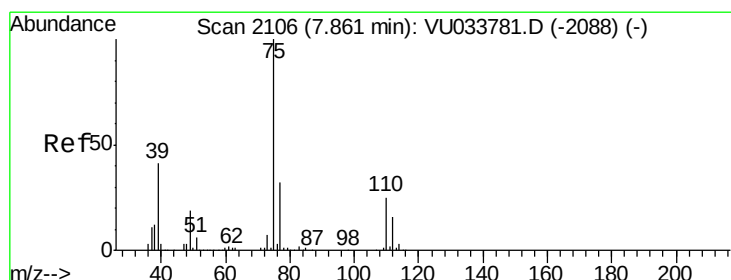
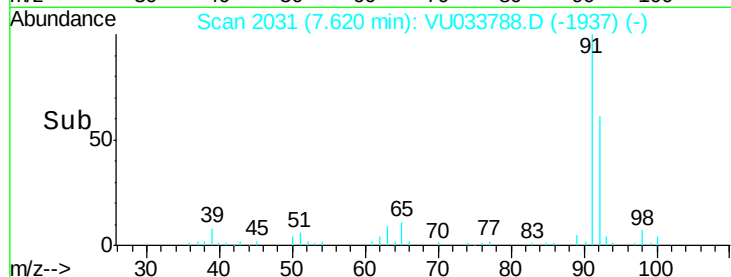
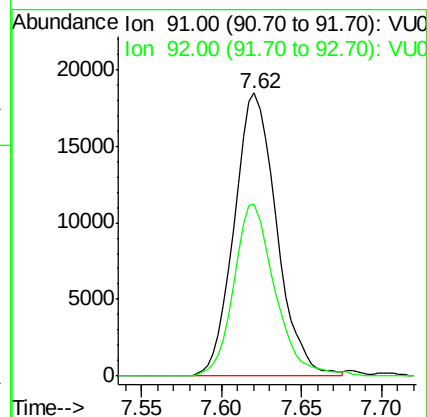
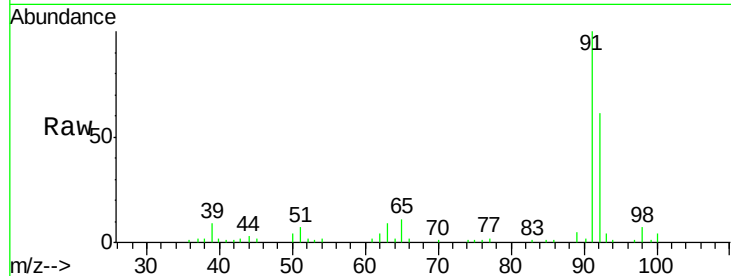
92 60.9 40.0 74.2

Manual Integrations

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MMDadoda

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#44

trans-1,3-Dichloropropene

Concen: 2.397 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU033788.D

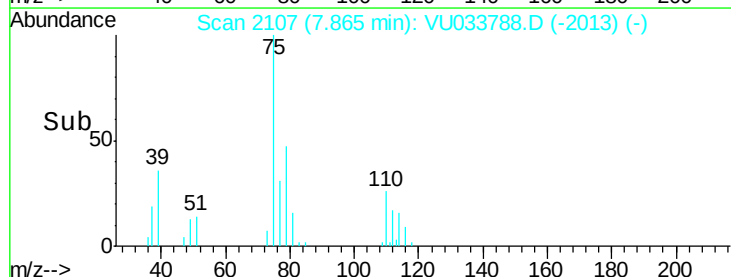
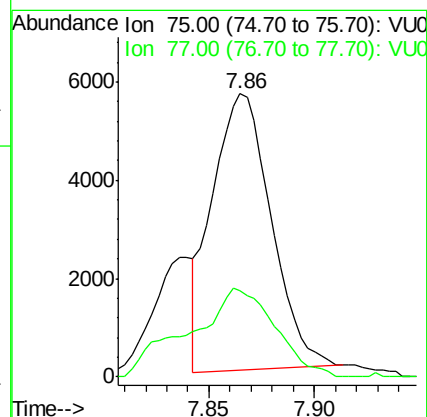
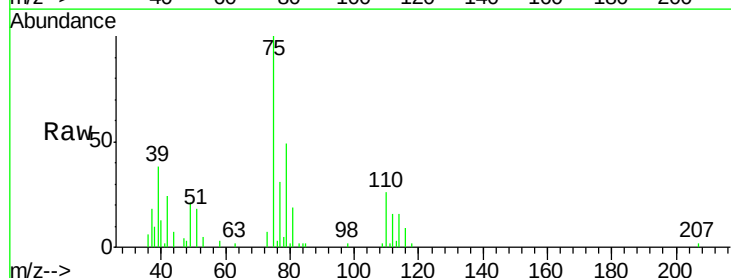
Acq: 13 Aug 2019 17:56

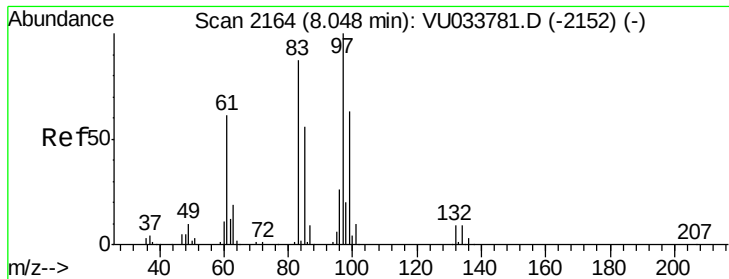
Tgt Ion: 75 Resp: 10892

Ion Ratio Lower Upper

75 100

77 30.6 22.7 42.3





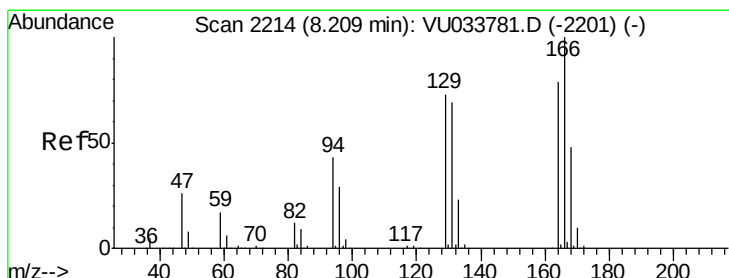
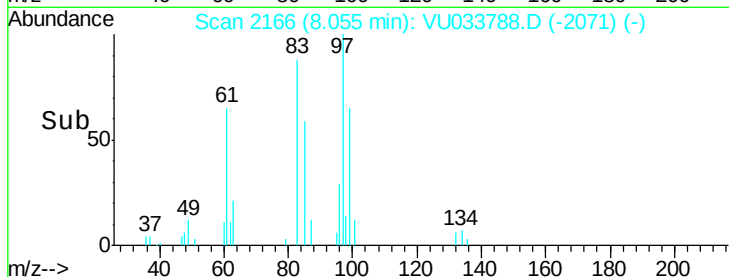
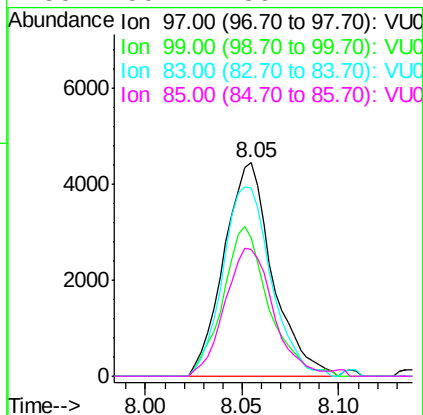
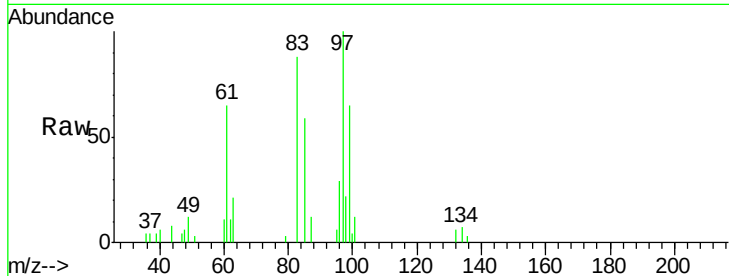
#45
 1,1,2-Trichloroethane
 Concen: 2.439 ug/L
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion:	97	Resp:	7779
Ion	Ratio	Lower	Upper
97	100		
99	64.7	43.5	80.9
83	88.0	61.8	114.8
85	59.4	39.1	72.7

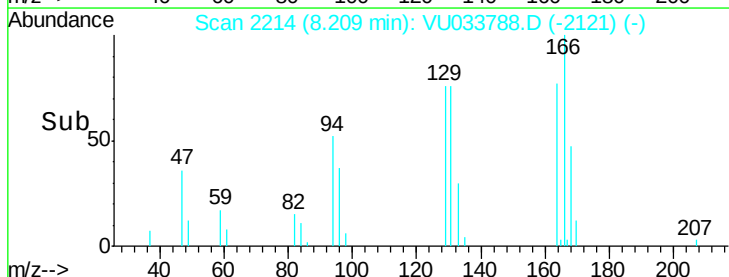
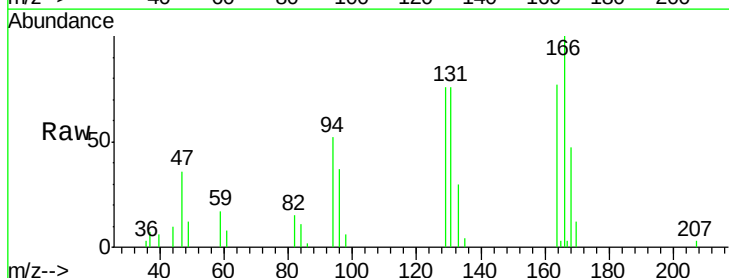
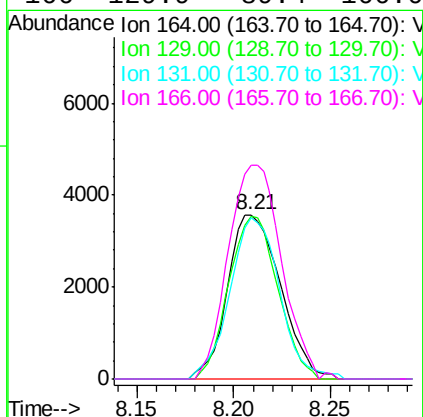
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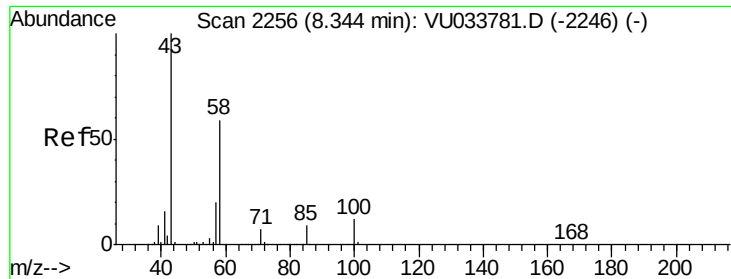
MMDadoda
 8/14/2019 10:44:58 AM



#46
 Tetrachloroethene
 Concen: 2.640 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Tgt Ion:	164	Resp:	6803
Ion	Ratio	Lower	Upper
164	100		
129	98.8	65.5	121.6
131	98.3	64.0	119.0
166	129.9	89.4	166.0





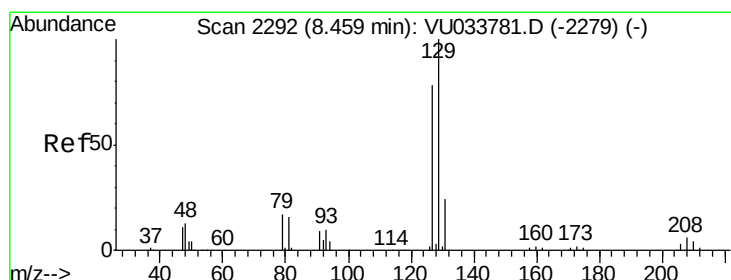
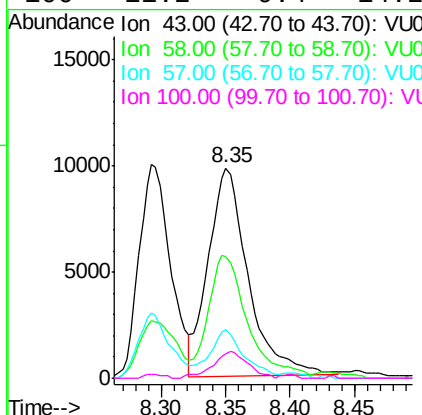
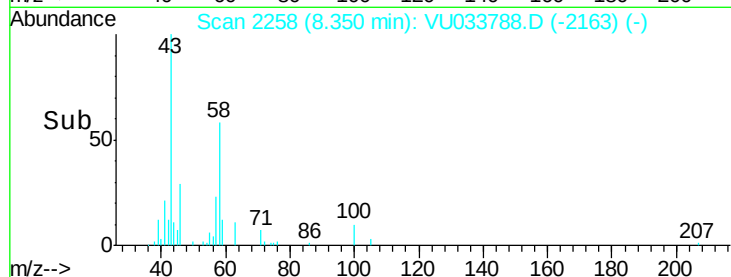
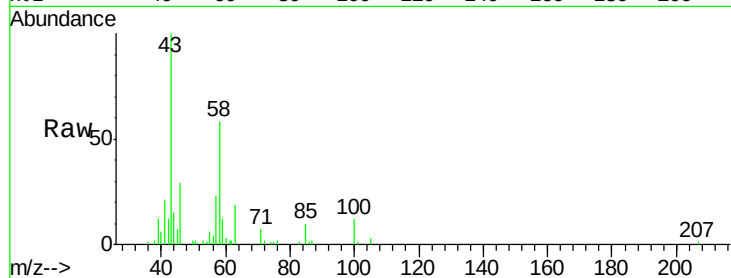
#48
2-Hexanone
Concen: 6.590 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.01 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ion	Ratio	Lower	Upper
21211	43	100		
	58	55.4	45.4	68.0
	57	19.6	15.4	23.0
	100	11.2	9.4	14.2

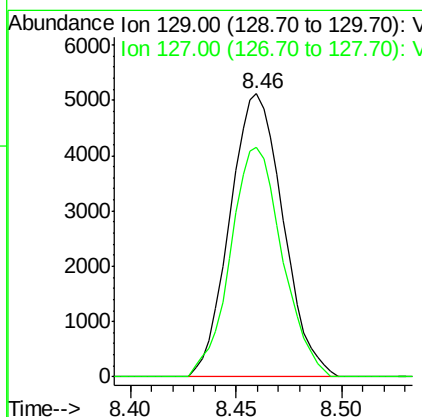
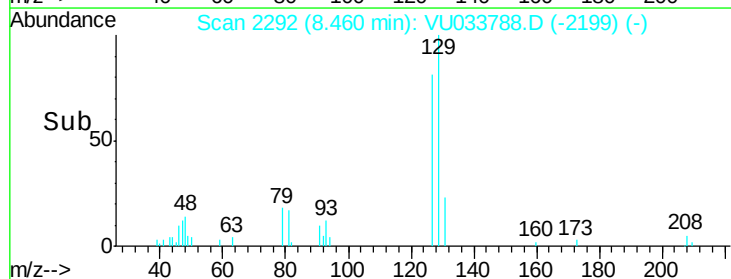
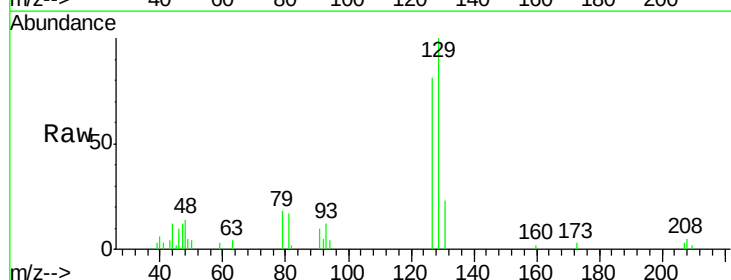
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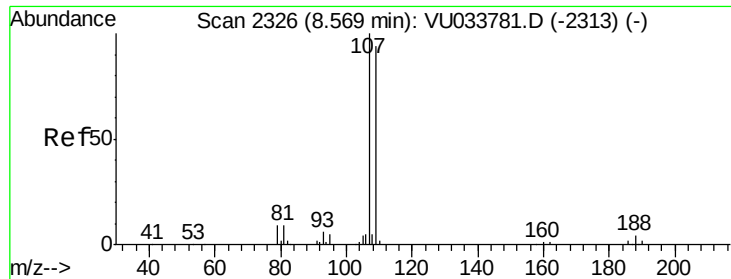
MMDadoda
8/14/2019 10:44:58 AM



#49
Dibromochloromethane
Concen: 2.528 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Tgt Ion	Ion	Ratio	Lower	Upper
9003	129	100		
	127	81.3	54.4	101.0





#50

1,2-Dibromoethane

Concen: 2.666 ug/L

RT: 8.57 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

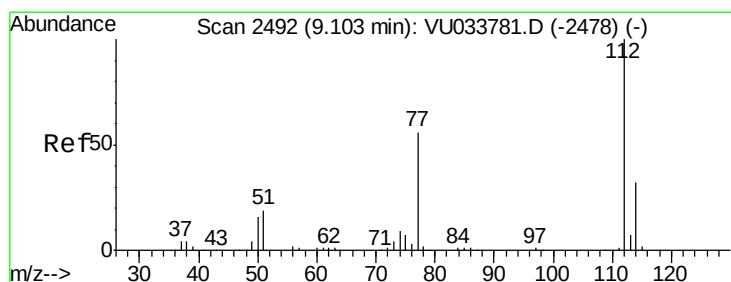
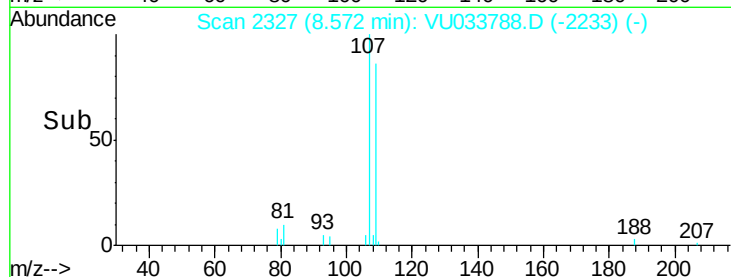
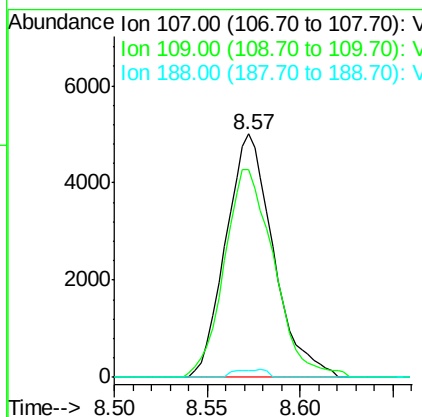
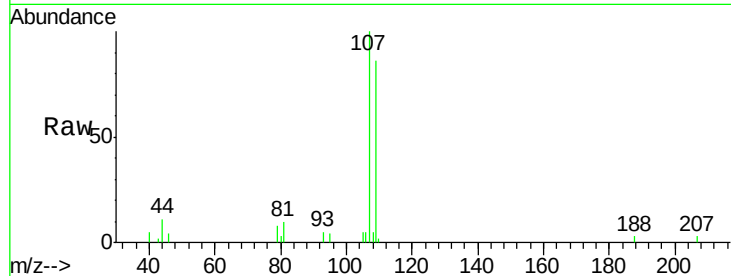
ClientSampleId :

MDL07

Tot Ion:	107	Resp:	8921
Ion Ratio	Lower	Upper	
107	100		
109	85.6	66.0	122.6
188	2.7	3.0	4.6#

Manual Integrations
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MMDadoda
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#51

Chlorobenzene

Concen: 2.577 ug/L

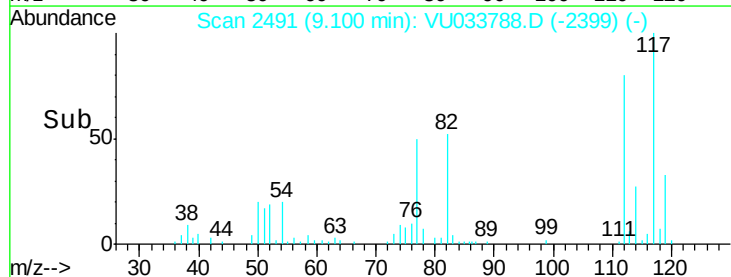
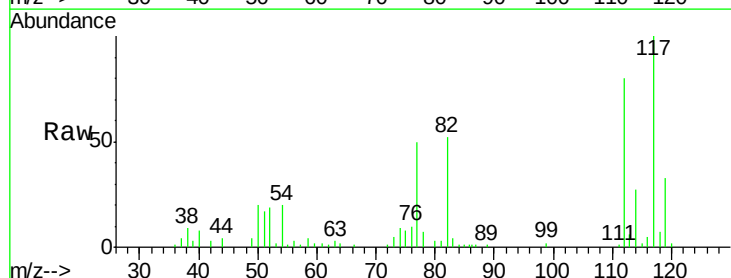
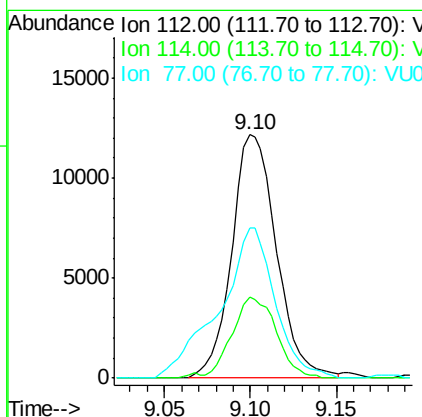
RT: 9.10 min Scan# 2491

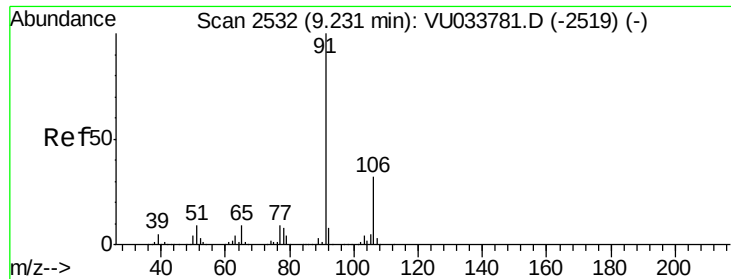
Delta R.T. -0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Tgt Ion:	112	Resp:	21965
Ion Ratio	Lower	Upper	
112	100		
114	33.4	22.4	41.6
77	61.8	46.2	69.4





#52

Ethylbenzene

Concen: 2.377 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 32763

Ion Ratio Lower Upper

91 100

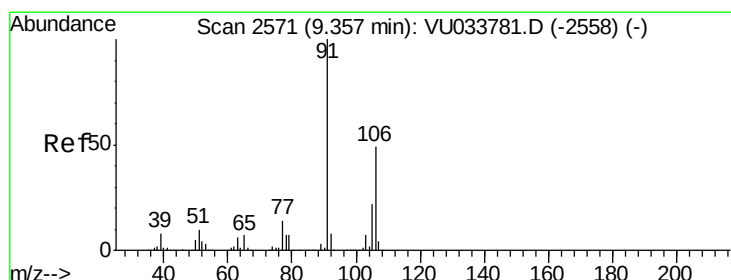
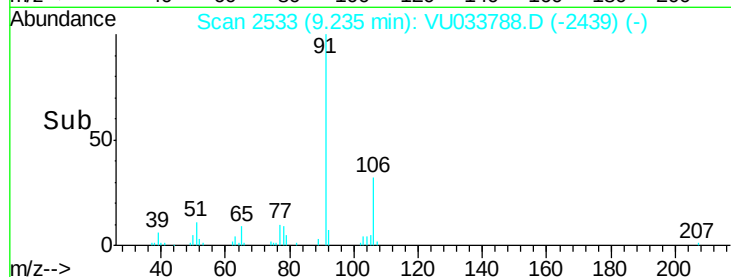
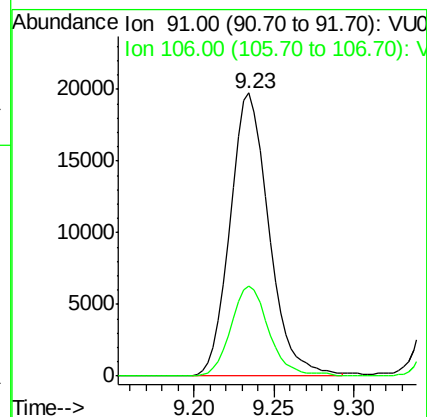
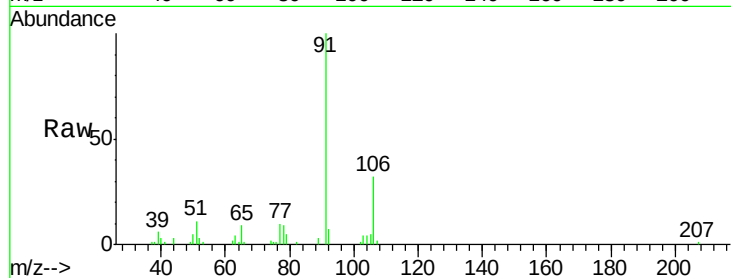
106 31.9 22.0 41.0

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#53

m,p-Xylene

Concen: 2.247 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033788.D

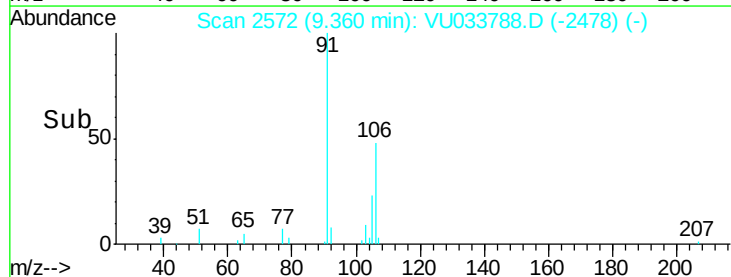
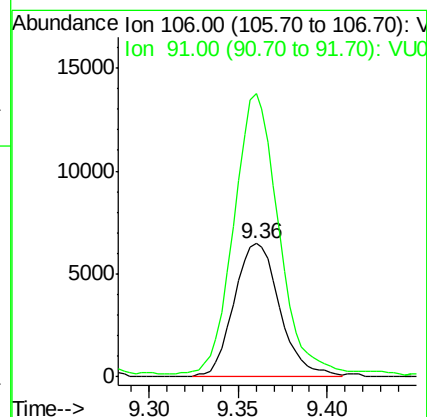
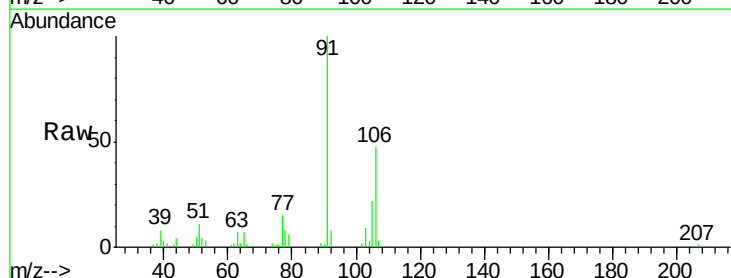
Acq: 13 Aug 2019 17:56

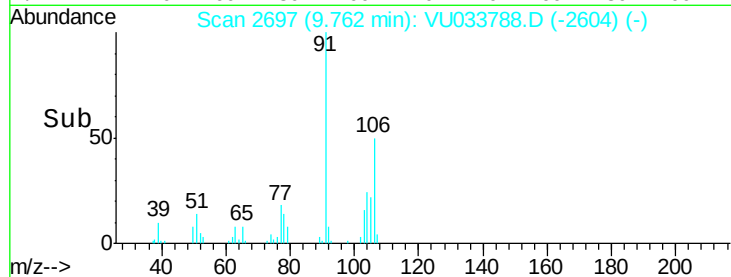
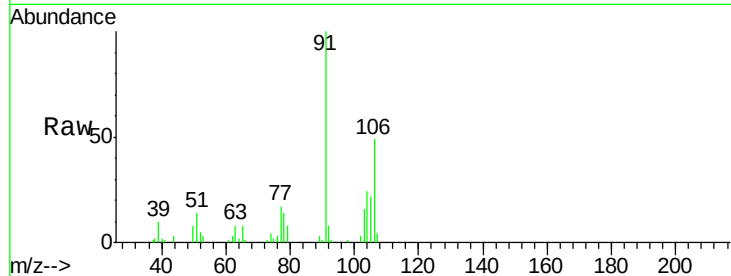
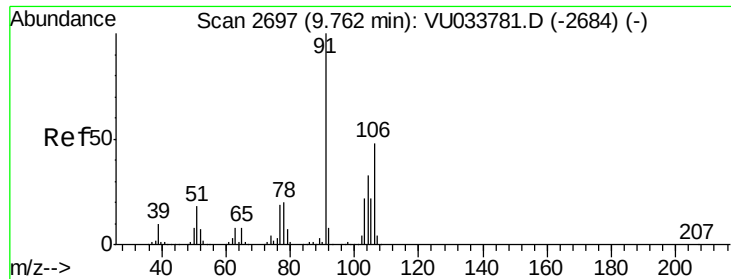
Tgt Ion: 106 Resp: 11578

Ion Ratio Lower Upper

106 100

91 212.4 142.1 263.9





#54

o-xylene

Concen: 2.159 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033788.D

Acq: 13 Aug 2019 17:56

Tot Ion:106 Resp: 10944

Ion Ratio Lower Upper

106 100

91 203.5 150.4 279.4

Instrument :

MSVOA_U

ClientSampled :

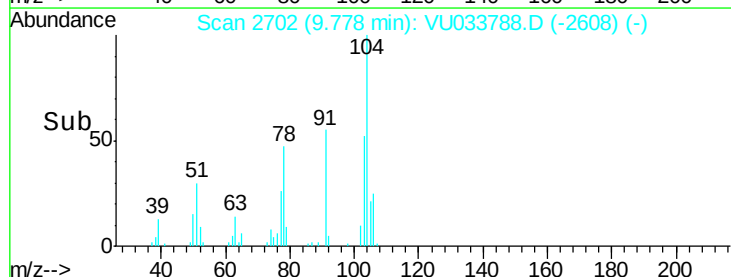
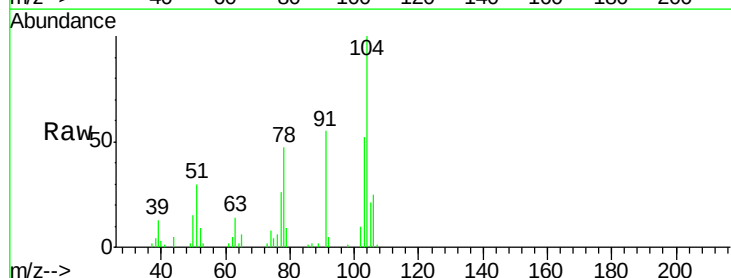
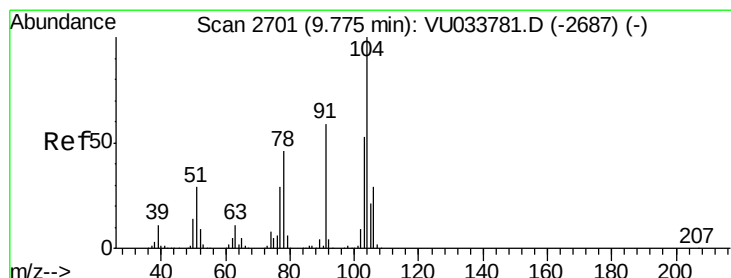
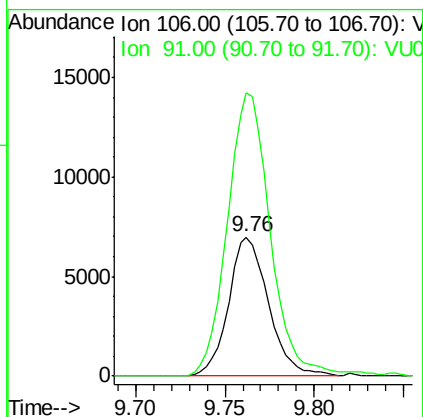
MDL07

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#55

Styrene

Concen: 2.126 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033788.D

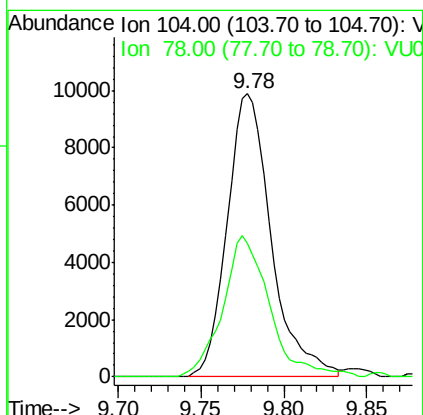
Acq: 13 Aug 2019 17:56

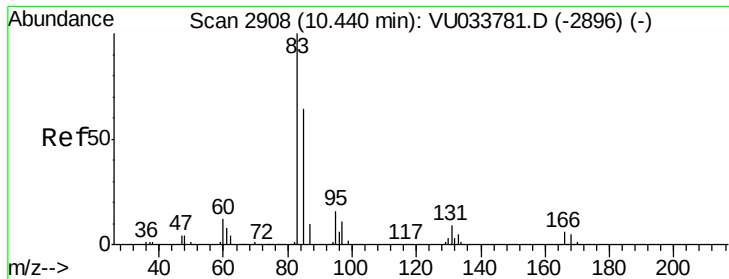
Tgt Ion:104 Resp: 18296

Ion Ratio Lower Upper

104 100

78 47.1 31.6 58.6





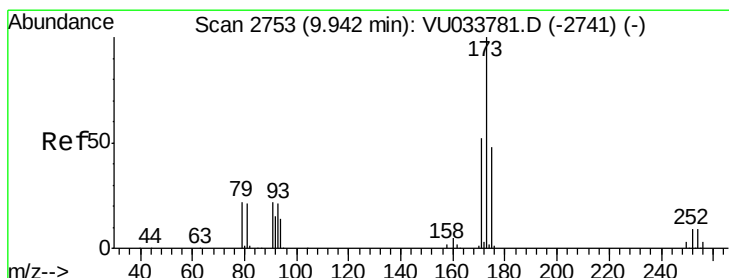
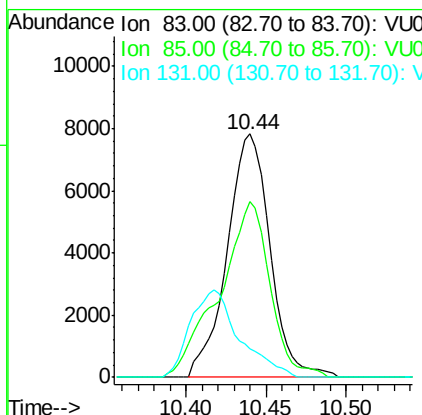
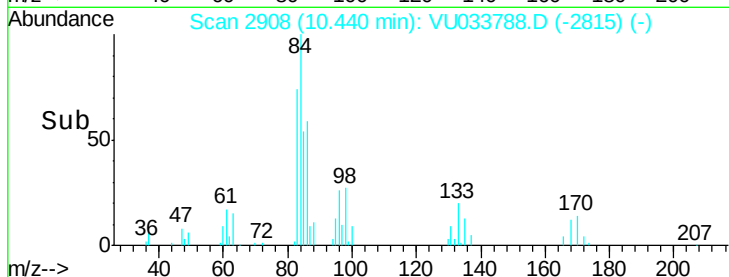
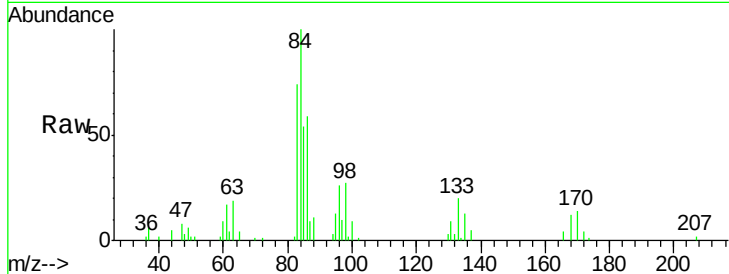
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.694 ug/L
 RT: 10.44 min Scan# 2908
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
83	100		
85	72.0	44.7	83.1
131	11.9	7.8	11.6#

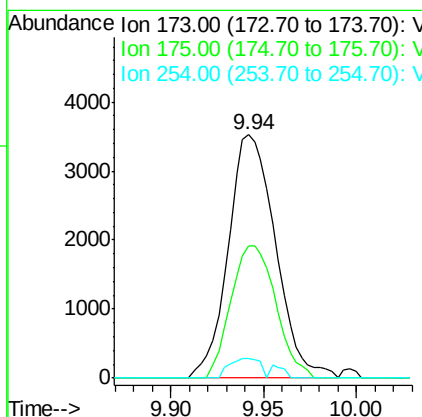
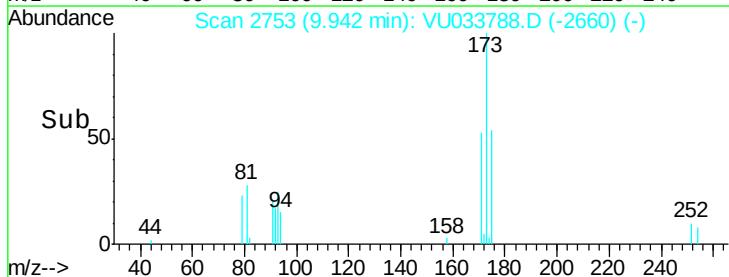
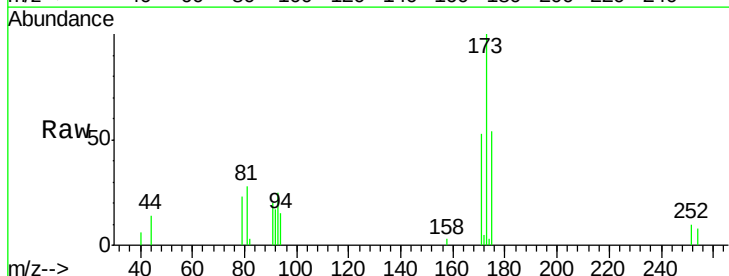
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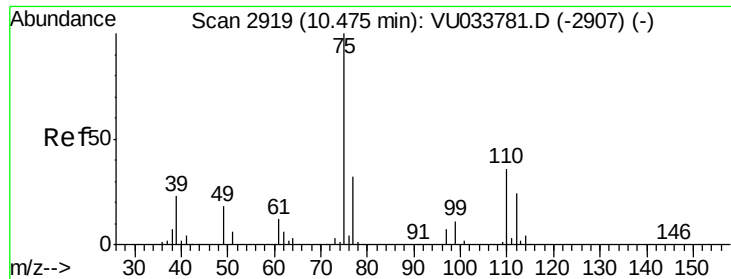
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#59
 Bromoform
 Concen: 2.537 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.4	38.9	58.3
254	5.2	7.4	11.0#





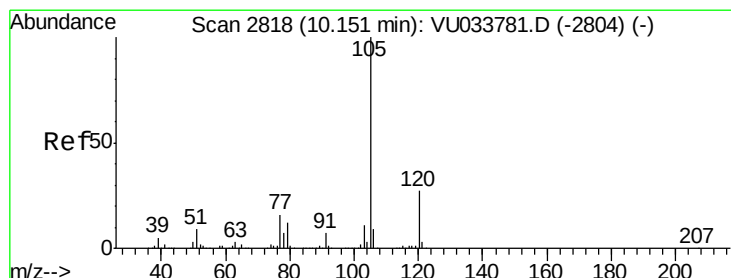
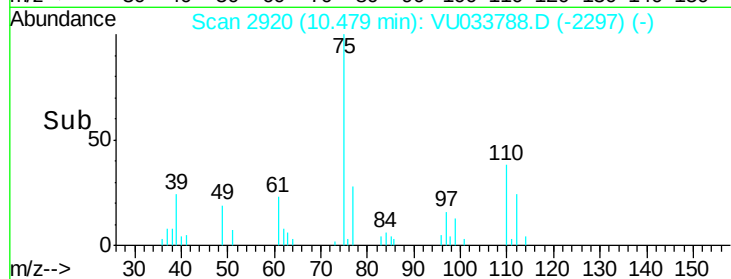
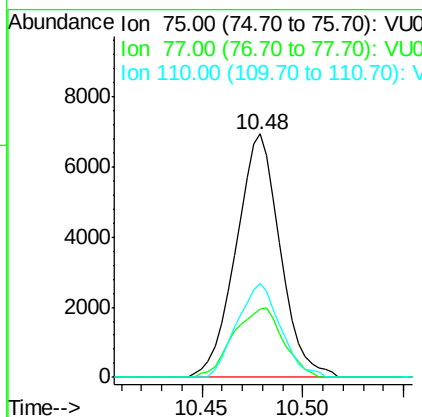
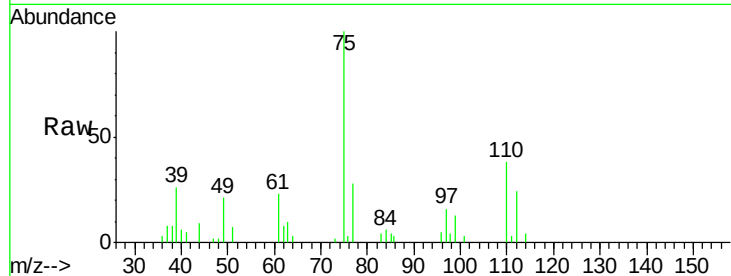
#60
1,2,3-Trichloropropane
Concen: 2.744 ug/L
RT: 10.48 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4
110	38.0	29.7	44.5

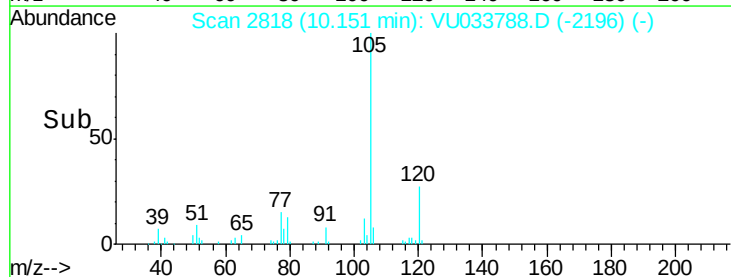
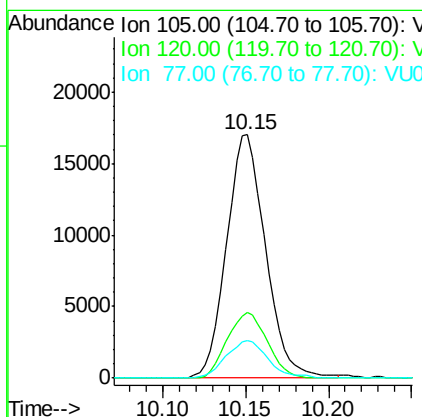
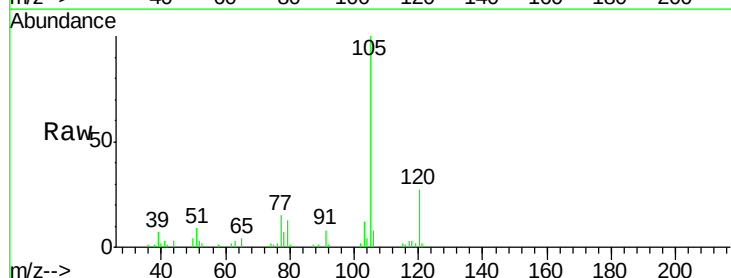
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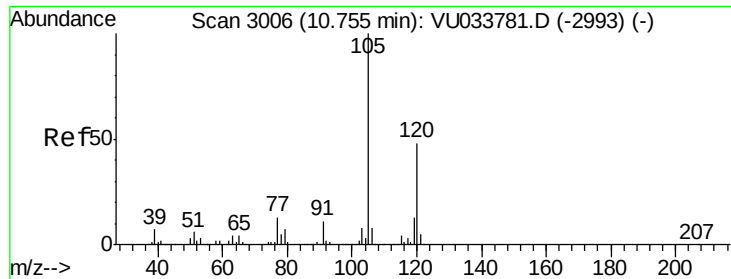
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#61
Isopropylbenzene
Concen: 2.337 ug/L
RT: 10.15 min Scan# 2818
Delta R.T. 0.00 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	21.0	31.6
77	16.5	12.8	19.2





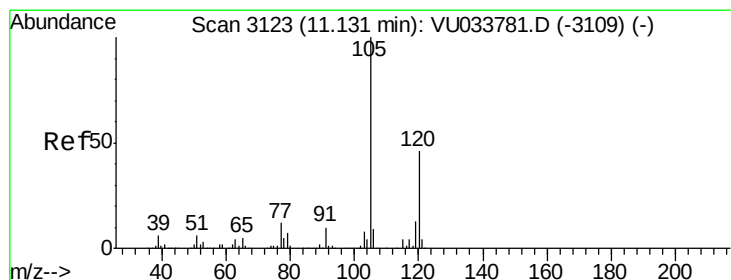
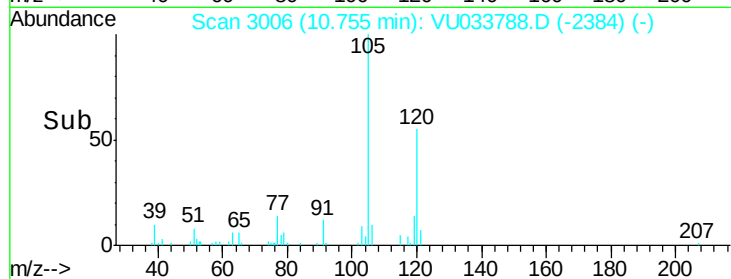
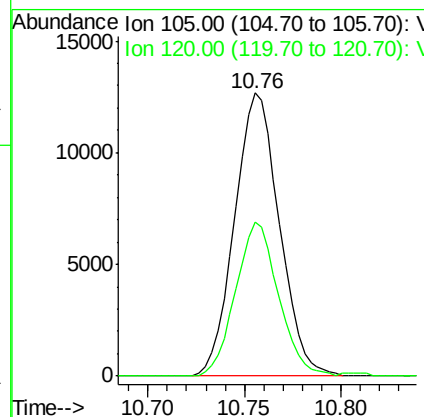
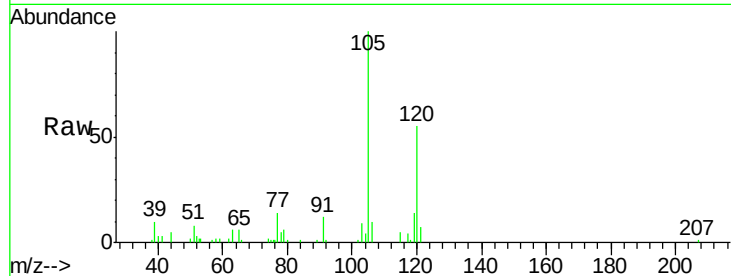
#62
 1,3,5-Trimethylbenzene
 Concen: 2.117 ug/L
 RT: 10.76 min Scan# 3006
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
105	100		
120	52.0	39.4	59.2

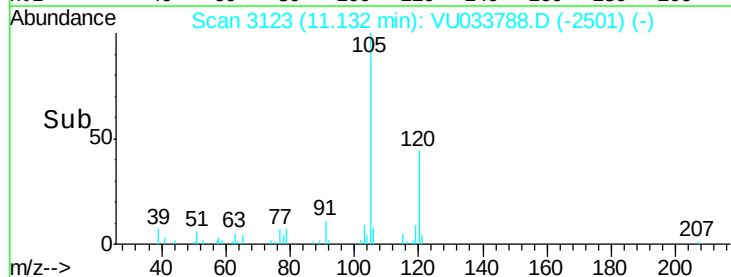
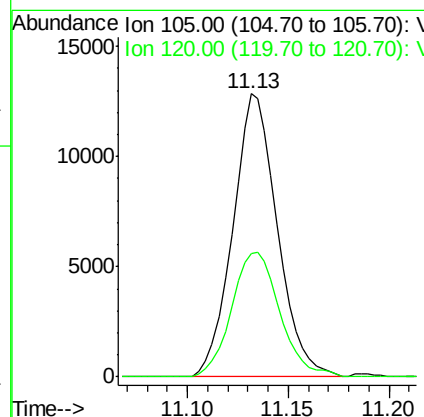
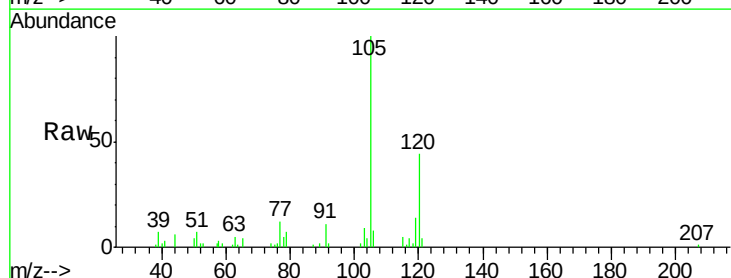
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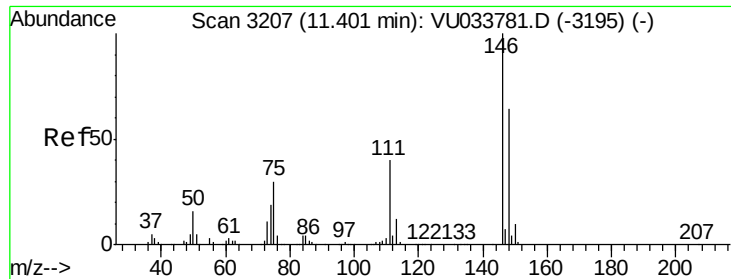
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#63
 1,2,4-Trimethylbenzene
 Concen: 2.070 ug/L
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.9	36.6	55.0





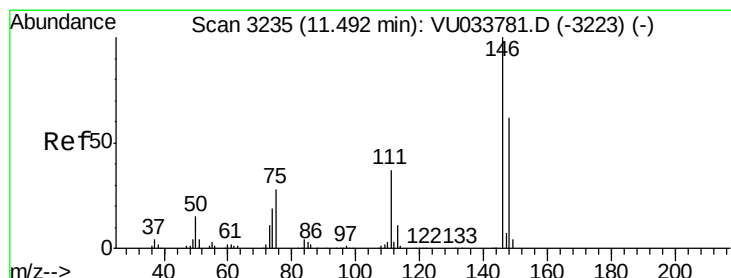
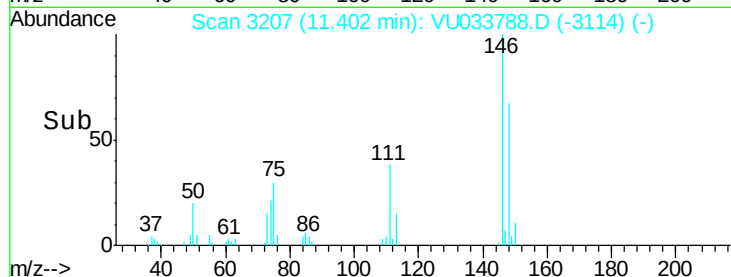
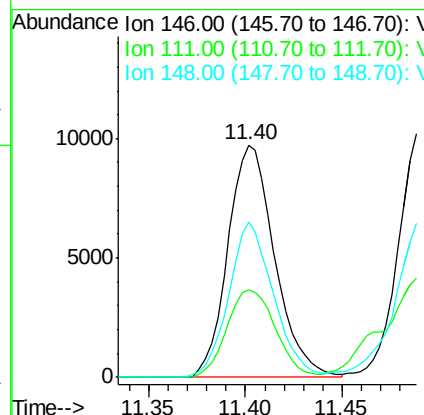
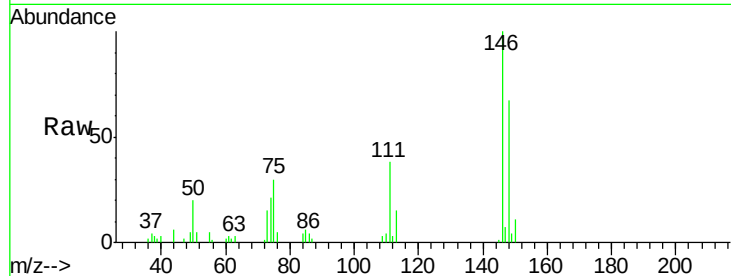
#64
 1,3-Dichlorobenzene
 Concen: 2.731 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	27.1	50.3
148	66.7	45.0	83.6

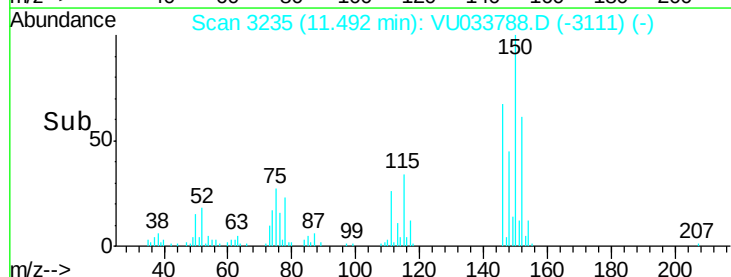
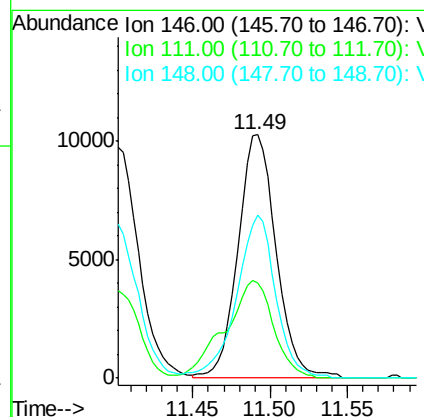
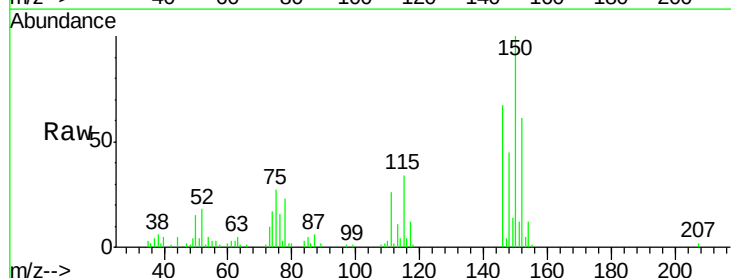
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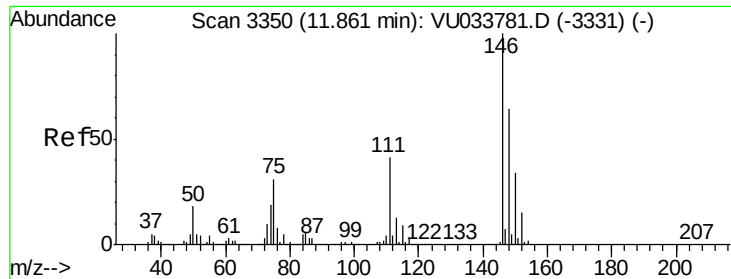
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#65
 1,4-Dichlorobenzene
 Concen: 2.863 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	26.5	49.3
148	66.8	43.9	81.5





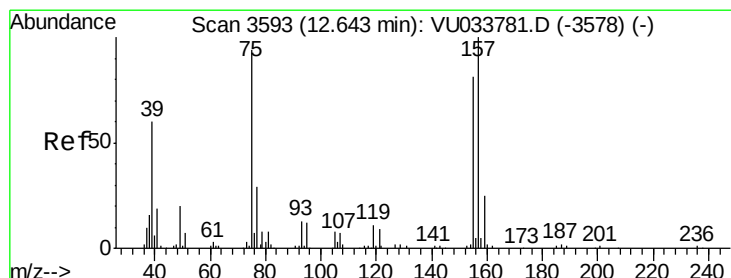
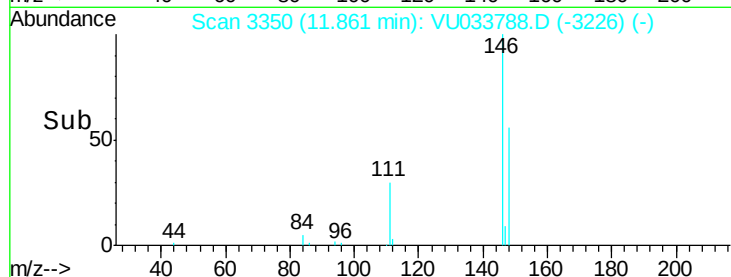
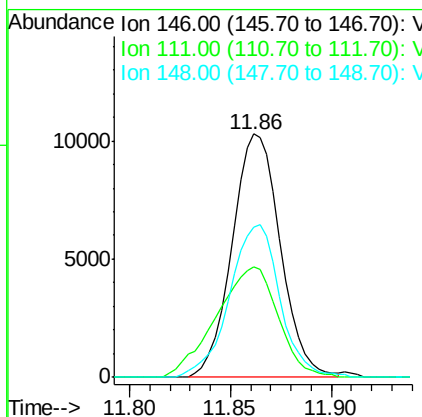
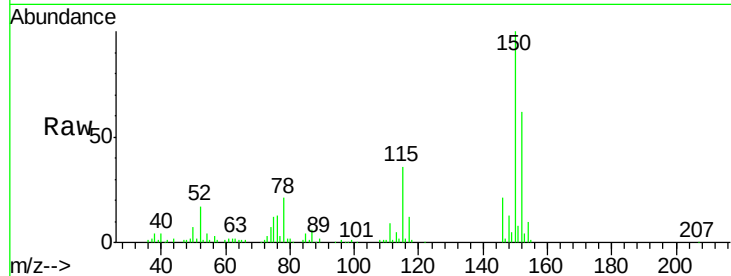
#67
 1,2-Dichlorobenzene
 Concen: 2.842 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	33.1	49.7
148	61.7	51.8	77.8

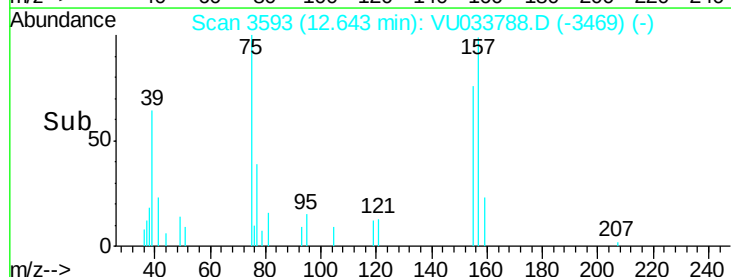
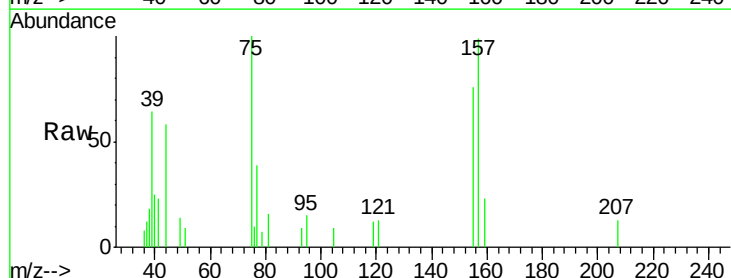
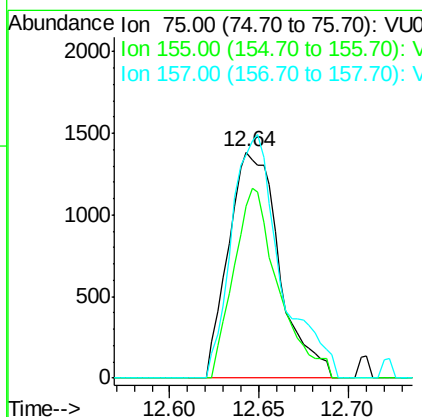
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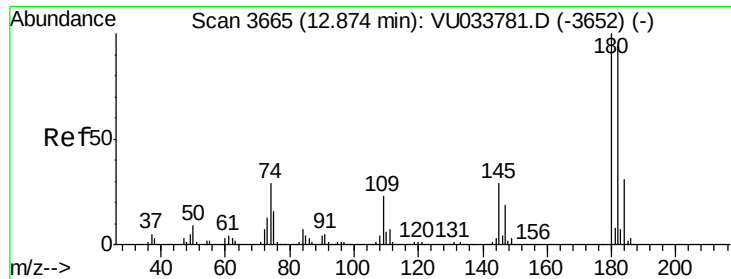
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.532 ug/L
 RT: 12.64 min Scan# 3593
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.2	65.9	98.9
157	98.6	86.3	129.5





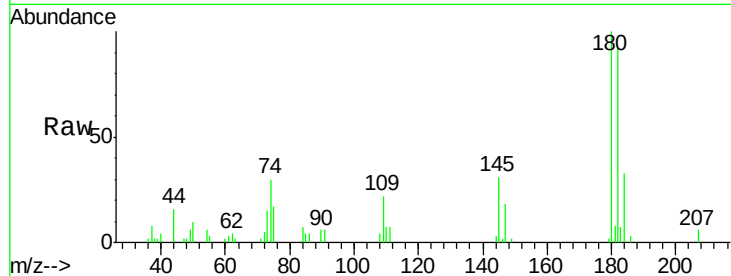
#69
 1,3,5-Trichlorobenzene
 Concen: 2.573 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

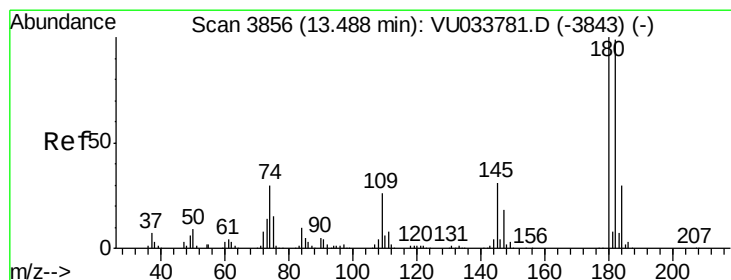
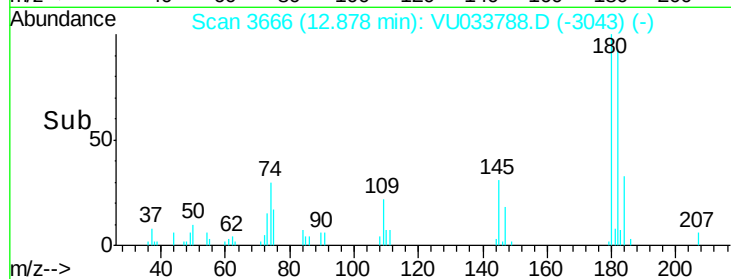
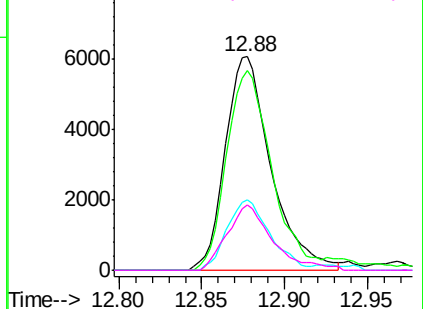
Tot Ion:	180	Resp:	11637
Ion Ratio	Lower	Upper	
180	100		
182	91.7	77.2	115.8
184	30.8	24.5	36.7
145	30.2	23.4	35.0

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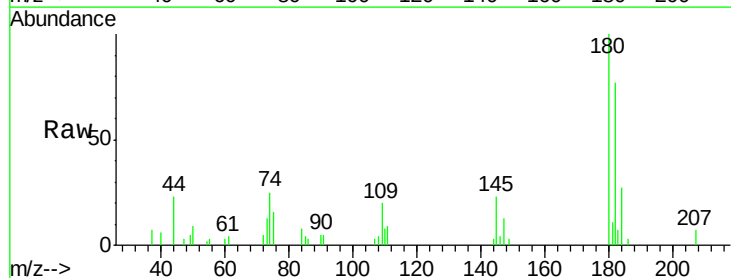


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

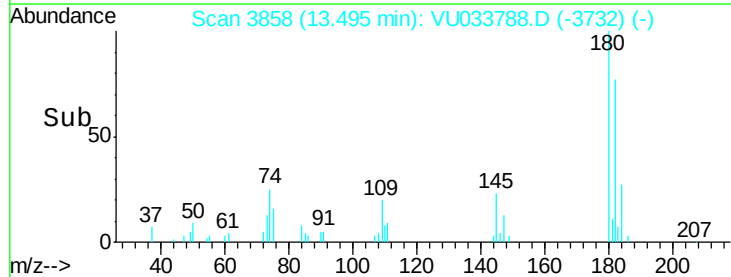
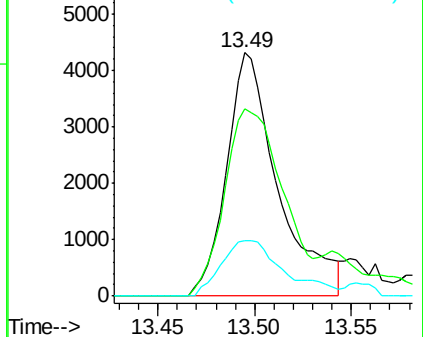


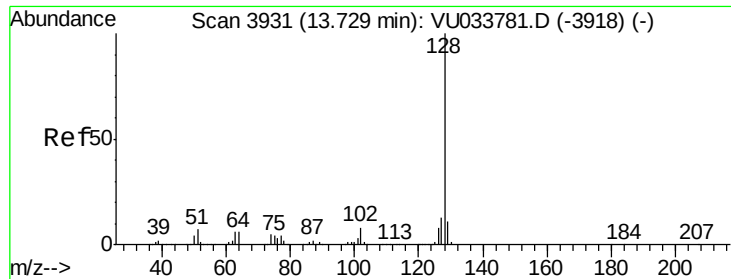
#70
 1,2,4-trichlorobenzene
 Concen: 2.126 ug/L
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU033788.D
 Acq: 13 Aug 2019 17:56

Tgt Ion:	180	Resp:	7975
Ion Ratio	Lower	Upper	
180	100		
182	87.2	75.3	112.9
145	24.6	23.3	34.9



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





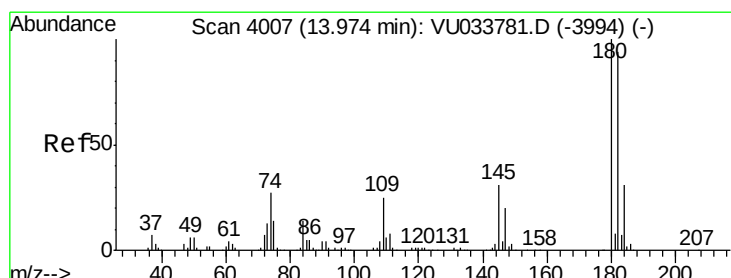
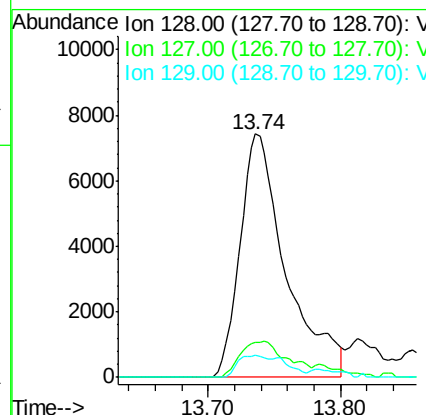
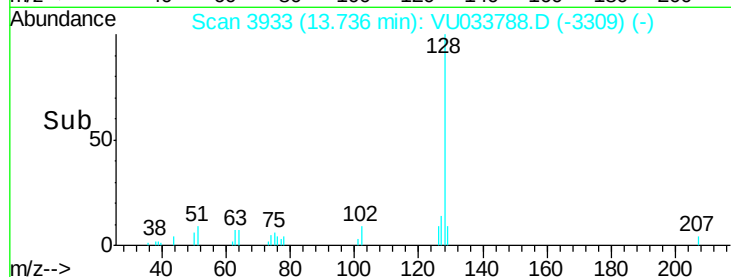
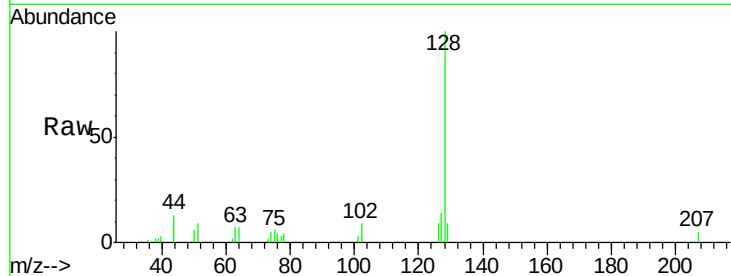
#71
Naphthalene
Concen: 1.606 ug/L m
RT: 13.74 min Scan# 3933
Delta R.T. 0.01 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.7	11.0	16.4#
129	0.4	8.5	12.7#

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#72
1,2,3-Trichlorobenzene
Concen: 2.261 ug/L
RT: 13.98 min Scan# 4010
Delta R.T. 0.01 min
Lab File: VU033788.D
Acq: 13 Aug 2019 17:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	77.1	115.7
145	32.0	24.6	36.8

